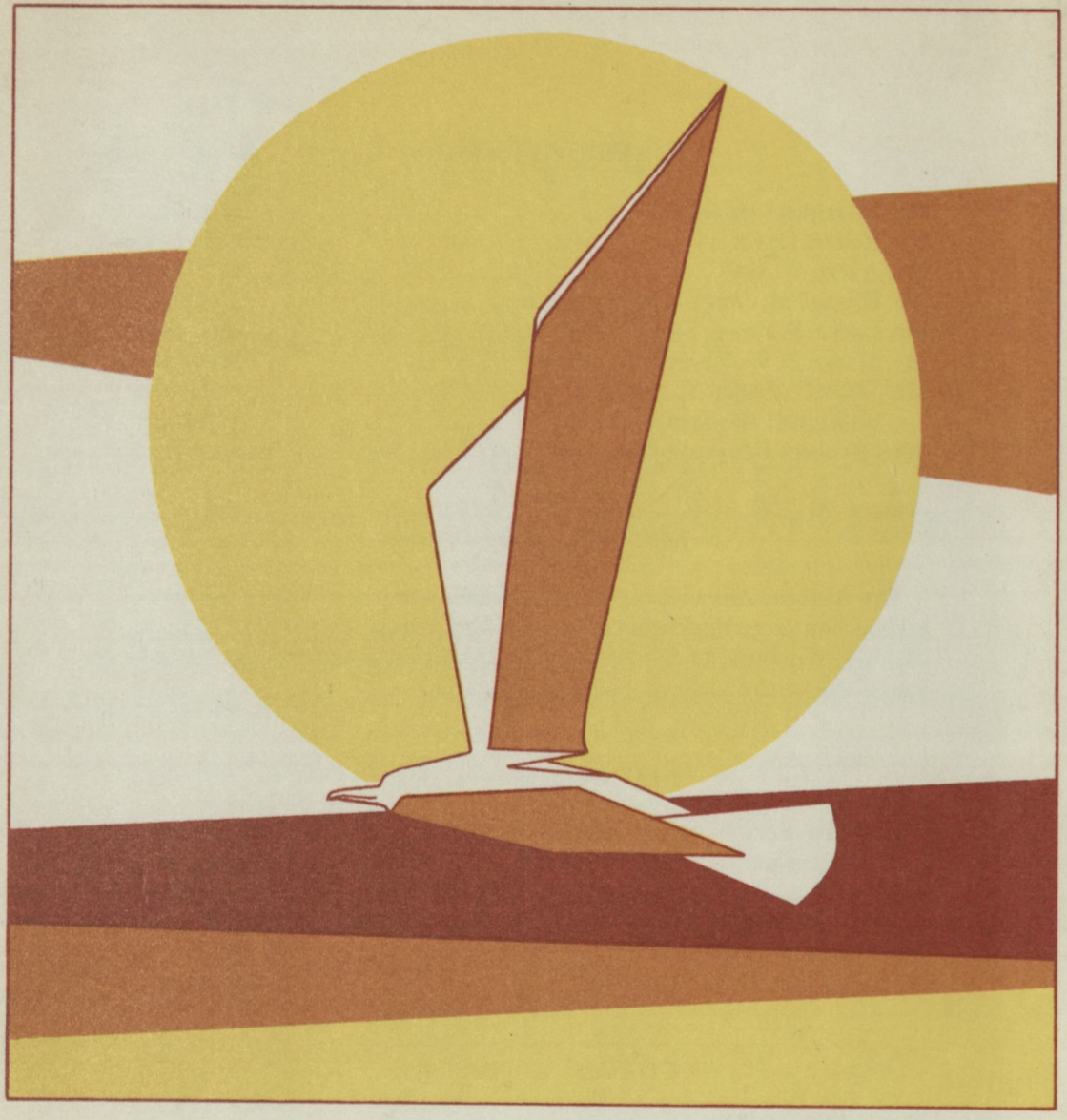

SALISBURY STATE COLLEGE

UNDERGRADUATE CATALOG 1974-75

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SALISBURY STATE COLLEGE

Catalog 1974-75

SALISBURY, MARYLAND 21801

1997.24.02

SALISBURY STATE COLLEGE
ACADEMIC CALENDAR

FALL SEMESTER 1974

Sunday	September 1	Residence Halls Open
Tuesday	September 3	Drop/Adds: 1:00-4:30 P.M.
Wednesday	September 4	Classes Begin Drop/Adds: Registrar's Office 9:00 A.M.-4:00 P.M. Through Wednesday, September 11
Wednesday	September 11	End of Late Registration
Tuesday	September 17	Convocation
Monday- Friday	November 11- November 15	Program Planning for the Spring 1975 Semester
Tuesday	November 26	Thanksgiving Holiday Begins After Last Class
Monday	December 2	Classes Resume
Friday	December 13	Classes End
Saturday- Friday	December 14- December 20	Final Examinations
Friday	December 20	6:00 P.M. End of Semester
Monday Friday	December 23 - January 10	Minimester

SPRING SEMESTER 1975

Saturday	January 11	Residence Halls Open
Sunday	January 12	Drop/Adds 1:00-6:00 P.M.
Monday	January 13	Classes Begin Drop/Adds: Registrar's Office 9:00 A.M.-4:00 P.M. Through Monday, January 20
Monday	January 20	End of Late Registration
Friday	February 28	Spring Vacation Begins After Last Class
Monday	March 10	Classes Resume
Tuesday	March 25	Easter Vacation Begins After Last Class
Wednesday	April 2	Classes Resume
Monday- Friday	April 14- April 18	Program Planning for the Fall 1975 Semester
Tuesday	April 22	Honors Convocation
Friday	May 2	Classes End
Saturday- Friday	May 3- May 9	Final Examinations
Friday	May 9	6:00 P.M. End of Semester
Sunday	May 11	Graduation
Monday Friday	May 12 - May 30	Minimester

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B.S., University of Wisconsin
M.Ed., Texas A & M University
Ed.D., University of Georgia

JAMES M. WELSH, Assistant Professor of English
B.A., Indiana University
M.A., University of Kansas

ROBERT J. WESLEY, Associate Professor of Communication Arts and Department Chairman
B.A., M.A., Ph.D., Wayne State University

RAYMOND A. WHALL, JR., Assistant Professor of English
B.A., Canisius College
M.A., California State College
Ph.D., University of Colorado

CLYDE T. WHITE, Assistant Director of Admissions
B.S., University of Md. Eastern Shore

CONNIE L. WHITE, Instructor of English
B.A., M.A., University of South Dakota

GEORGE I. WHITEHEAD, III, Assistant Professor of Psychology
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M.A., C.W. Post College
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B.S., M.S., Ohio University

HARRY E. WOMACK, Assistant Professor of Biology
A.A., Miami-Dade Junior College
B.S., M.S., University of Georgia
Ph.D., Auburn University

HOWARD E. WRIGHT, Professor of Psychology
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M.A., Ohio State University
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M.A., University of Maryland
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M.A., Ed.D., Teachers College, Columbia University

RICHARD N. YOBST, Assistant Dean of Student Affairs
B.S., Western Maryland College
M.A., George Washington University

WILLIAM F. ZAK, Assistant Professor of English
B.A., Boston College
M.A., Lehigh University
Ph.D., University of Michigan

RAY H. ZEIGLER, JR., Associate Professor of Music
B.A., M.Ed., Ph.D., Pennsylvania State University

ADJUNCT FACULTY

CHESTER EDWARD HANULAK, Assistant Football Coach
B.A., University of Maryland
ANDREW T. JONES, Lacrosse Coach
B.S., Lehigh University

EMERITI

MCCURDY BURNET, Associate Professor of English
GRACE CHAIRES, Librarian
DR. CAROLYN DUNLOP CLEMENS, Professor of Education
DR. WILBUR DEVILBISS, President Emeriti of Salisbury State College
MANFRID ERNST, Assistant Professor of English
MARY LAURA FRANCIS, Professor of French
JAMES R. FOCHT, Associate Professor of Education
DR. DANIEL Z. GIBSON, Professor of English
JAMES F. GLENN, Professor of Chemistry
DR. PEDROS CARLOS HARISPE, Assistant Professor of French
JOHN B. MAY, Professer of Psychology
HENRIETTA S. PURNELL, Assistant Professor of Art
E. PAULINE RIALL, Principal, Campus Laboratory School
WILSIE SEABREASE, Teacher, Campus Laboratory School
DR. ROSE R. SCHECK, Professor of Education
DR. LEILA STEVENS, Professor of English
MAY TRUITT, Librarian
DR. ARTHUR L. VOGELBACK, Professor of English
FRANK B. WHITE, Professor of Mathematics
LOUISE S. WHITE, Assistant Professor of Education

THE COLLEGE

ACCREDITATION

Salisbury State College is a fully accredited four-year liberal arts college offering undergraduate programs leading to the Bachelor of Arts and Bachelor of Science degrees, and graduate programs leading to the Master of Education degree and the Master of Arts degree in History. The College is accredited by the Middle States Association of Colleges and Secondary Schools, the Maryland State Board of Education and the National Council for Accreditation of Teacher Education.

STATE SUPPORT

The College is an integral part of the public system of higher education in the State of Maryland. It is governed by the Board of Trustees of the State Colleges and is supported by appropriations authorized by the State Legislature.

HISTORY

In 1922 the State Legislature established a commission to determine a location for a two-year normal school on the Eastern Shore of Maryland. A site at Salisbury was selected by the commission, and the institution opened in September, 1925.

The school offered a two-year course for the preparation of elementary school teachers in Maryland until 1931 and 1934, when respective increases of three and four years were made. By action of the legislature of 1935, the College was authorized to grant the Bachelor of Science degree and to change its name to the State Teachers College at Salisbury.

Prior to 1947 the College limited its program to the preparation of teachers for the elementary schools. Expansion of the teacher preparation program occurred that year to include the junior high school level and in 1960 to include secondary school teachers, with a four-year program in Arts and Sciences with majors in several academic fields leading to the Bachelor of Arts and Bachelor of Science degrees. In 1962 the State Board of Trustees approved a graduate program in education leading to the Master of Education and in 1971 a program leading to the Master of Arts degree in History was approved.

In 1963, Salisbury State College became one of the State Colleges of Maryland under jurisdiction of the Board of Trustees of the State Colleges. Major emphasis was placed on the four-year program for undergraduates, offering majors in the arts and sciences as well as professional preparation leading to teacher certification.

PHILOSOPHY AND PURPOSES OF THE COLLEGE

As a state-supported educational institution, Salisbury State College is concerned with its accountability and educational

responsibilities in all areas of operations. Such responsibility prompts establishing a primary objective of providing academic programs for all segments of the public. It is, likewise, a concern of the College to offer its facilities to the community for enrichment purposes.

The College strives to provide highest quality undergraduate and graduate programs in Liberal Arts and Teacher Education. In addition, effort is made to constantly improve daytime, evening and summer non-credit programs, as well as to create new educational experiences whenever a need arises.

The college's institutional philosophy is based not on rigidity and exclusiveness, but on flexibility of services to all who wish to avail themselves.

Salisbury State College perceives itself as a place where every person — regardless of race, creed or religion — will be respected with dignity. That person will be afforded the opportunity to develop his or her mind and body to its fullest capabilities. The resources are vast, the opportunities are nearly limitless to all who wish to energetically accept the challenges.

CAMPUS AND BUILDINGS

Salisbury State College is located on Md. Route 13 at the southern edge of Salisbury, which has a metropolitan population of 50,000 and lies 32 miles west of Ocean City, Md., 115 miles southeast of Baltimore and Washington, 125 miles south of Philadelphia and 125 miles north of Norfolk, Va.

Administrative offices are situated in Holloway Hall, the original college building. This Georgian-styled structure contains the following offices: President, Academic Dean, Dean of Student Affairs, and Student Services, Assistant to the President, Registrar, Public Relations, Data Processing Center, Alumni Association, Faculty Offices and Classrooms. Also in Holloway are a modern 776-seat Auditorium, paneled Social Room and Art Gallery.

Caruthers Hall, located nearest to the Route 13 entrance to the college, houses additional Administration Offices, the Summer and Evening Program Office, the Admissions Office, the Business and Finance Offices, Teacher Education Offices, as well as Classrooms, Faculty Offices, Central Services, and a 225-seat Auditorium.

Blackwell Library, an air-conditioned recently-renovated facility near the center of the campus, houses 175,000 books in open stacks, 600 current periodicals, phonograph records, government publications, clipping files, bound periodicals and microfilm and microfiche.

Another fine new building is three-story air conditioned **Devilbiss Science Hall**. In addition to its 24 classrooms and 24 offices are a Language Laboratory, Laboratories for Geography and Biological Sciences, Chemistry, and Physics and Physical Science. Special features in this building are a theatre-lecture hall, seating 224, and a greenhouse.

The Musical Arts Center, situated adjacent to Route 13, is an acoustically-treated building, containing five Practice Rooms, two Classrooms, an enlarged Classroom for Chorus and Performances by Instrumental Ensembles, and Faculty Offices.

The hub of student activity is **Memorial Student Union**, which includes the College Dining Hall and Kitchen, Snack Bar. College Book Store, College Post Office and Recreation Area.

Tawes Gymnasium is the center of college athletic activity. The well-lighted Gymnasium has a bleacher seating capacity of 1,000 for varsity basketball and other Men's and Women's Indoor Sports. Other features include an attractive Lobby with Trophy Cases, Faculty Officers, Laundry Facilities, Classrooms, First-Aid and Training Room (with modern Hydro-Therapy Equipment), Weight-Training Room, Dance and Correctives Room and Gymnastics Apparatus.

The College Health Center, located at the south end of Holloway Hall, features seven student-patient beds, a Waiting Room, two Offices, a Treatment Room and a Utility Room.

Six modern, well-equipped Dormitories house the on-campus students and provide double and single Bedrooms, Lounges, Supervisors' Apartments, Laundry Facilities, small Kitchens, and Recreation Rooms.

Wicomico Hall houses 96 students, **Manokin Hall**, 84 students, **Pocomoke Hall**, 100 students, **Nanticoke Hall**, 145 students, **Choptank Hall**, a six-story, air-conditioned dormitory for 221 students, which features on the first floor, eight double bedrooms with two student baths, a managers's apartment, visitors' lounge, elevator and public toilets. Each of the five upper floors contains 20 double bedrooms, four student bathrooms, proctor's bedrooms and bath, trunk storage room, trash room, snack room, student lounge and elevator. **Chester Hall**, similar to Choptank, opens in September, 1974.

The **President's Home** is located on a wooded knoll on the southern edge of the campus.

Outdoor Athletic Facilities include varsity fields for soccer, baseball, and field hockey, practice fields, all-weather quarter-mile track and 6 hard-surface tennis courts. A new athletic field complex is being planned and will be operational in 1975.

FUTURE DEVELOPMENTS:

In order to accommodate a rapid growth in enrollment, which is anticipated to reach 3000 day students by 1980, a new Physical Education facility, including a Swimming Pool, two new Residence Halls and a College Center are scheduled for early construction.

A renovation of Holloway Hall is underway.

Planning also has begun for the renovation of Caruthers Hall and of

the existing Dining Hall-Student Union to a modern Dining facility to accommodate the increasing resident population.

Preliminary planning has begun for a modern College Center which should be completed in 1976.

A new Dormitory complex to house 400 students is in the planning stages and will be available in 1976.

ADMISSION

The College invites applications from all who are interested in pursuing programs in the Arts and Sciences or in Teacher Education. Qualification for admission is determined without regard to race, color, religion, national origin, or sex. Many aspects of the applicant's background and experience are considered in determining eligibility for admission. Flexibility within the admissions policy permits the acceptance of some each year who have failed to meet all regular requirements for admission but who nevertheless show promise of academic success. The College believes that it is not in the best interest of either the applicant or the College to admit those who have little or no chance of success. The College welcomes inquiries from all who seek its resources. Students who matriculate following acceptance assume the responsibility of upholding the standards and traditions of the college and adhering to its regulations.*

GENERAL INFORMATION

Applications for admission, catalogs, and other information about the College may be obtained on request to the Director of Admissions, or from staff representatives, at college night programs scheduled by many of the secondary schools and junior colleges of Maryland and surrounding areas. The College does not require personal interviews; however, campus visits may be made throughout the year. Campus tours are regularly scheduled every Monday, Wednesday and Friday at 1:30 p.m. except holidays when the College is closed. These tours, led by College students, will originate from the Undergraduate Admissions Office.

ADMISSIONS POLICY

Admission to Salisbury State College is granted to those applicants whose academic and personal qualifications give promise of success in college. The evaluation of the applicants' chances for academic success is the responsibility of the Admissions Committee which considers the students' verbal and math scores on the Scholastic Aptitude Test (SAT), the high school record, and the recommendation of the high school principal or guidance counselor.

* The college reserves the right to refuse admission to or to require the withdrawal of any student who is considered unable to carry on college work satisfactorily, or who fails to abide by its regulations and policies.

Students should submit their applications for admission during the first semester of the senior year. Applicants are urged to take the SAT examinations no later than the December Testing Date. The College cannot assure full consideration of applicants submitting scores for the SAT taken later than February of the senior year. The College reserves the right to close admissions when no space remains.

Students planning to enter college are encouraged to complete the college preparatory curriculum in high school. Satisfactory completion of at least two years in a foreign language and a well-rounded program are recommended.

UNDERGRADUATE ADMISSIONS REQUIREMENTS

(From laws relating to and governing policies and procedures of the Board of Trustees of the State Colleges of Maryland.)

Admission to the State Colleges shall be determined without regard to race, color, religion, national origin, or sex.

1. **High School Graduates**

A. Admission shall be granted to high school graduates on the basis of grades, rank, admission test scores, and such other evidence, including the recommendations of appropriate high school officials, as may be deemed indicative of the ability of the applicant to complete a course of study in college leading to a degree.

B. No admission offer shall be made prior to receipt of a candidate's scores on the admission tests administered in the candidate's senior year or subsequent thereto, except in special circumstances as determined by the College. Early admission may be offered to not more than a maximum of twenty percent of the anticipated enrollment in the Freshman class. Such an offer shall be made only to an applicant of demonstrated superior scholarship and promise, as evidenced by his record through the Junior year and by his performance on the admission tests administered in his Junior year or subsequent thereto.

C. The tests to be used for admission considerations shall be the College Board Scholastic Aptitude Tests.

D. Admission prior to graduation from high school shall be conditional upon completion of the high school curriculum in a manner that would qualify the student for admission under paragraph 1A, above.

E. In the evaluation of academic credentials, no preference shall be granted, as between residents of the State, upon the basis of their place of residence.

F. Completion of a college preparatory curriculum shall not be a condition of admission. High school graduates who have not followed a college preparatory curriculum, but whose grades, rank, and aptitude test scores indicate the potential to complete a college degree program, shall not be denied admission on that ground.

2. **Non-Graduates of High School**

Admission shall be granted to applicants who are not high school graduates on the basis of high school equivalence examinations, the admission test scores and such other evidence, including the

recommendations of appropriate persons, as may be deemed indicative of the ability of the applicant to complete a course of study in college leading to a degree.

3. **Out-of State and Foreign Students**

A maximum of fifteen percent of the total student body at each college may be composed of out-of-state students and foreign students not resident in Maryland. However, the College shall be expected to meet its obligations to qualified resident students before approaching the maximum enrollment of out-of-state and non-resident foreign students.

4. **Student Residency Classifications for Tuition Purposes**

A. General. To qualify as a resident for tuition purposes for any given semester, the applicable individual must have maintained his/her domicile in Maryland for at least six (6) months immediately prior to the last date available for initial registration for that semester at the State College which the student attends. If a student is not financially dependent on his/her parent and/or spouse, the domicile of the student shall control. If a student is financially dependent on his/her parent and/or spouse, then the domicile of the parent or spouse shall control.

B. "Financially dependent" defined. A "financially dependent" student is one who receives more than one-half of his/her support from a parent or spouse during the six-month period immediately prior to the last date available for initial registration for the semester in question. If a student receives more than one-half of his/her support in the aggregate from both a parent and spouse, the student shall be considered financially dependent on the person providing the greater amount of support. Until proven otherwise, it shall be presumed that a student is financially dependent on a parent and/or spouse.

C. "Parent" defined. The word "parent" includes a natural parent, an adoptive parent, a stepparent, a legally appointed guardian, and a person who stands in loco parentis to the student. The word "parent" shall also include the plural. A person stands in loco parentis to a student when he has put himself in the situation of a lawful parent by assuming the obligations incident to the parental relation without going through the formalities necessary to legal adoption. The determination of such status will be made on a case by case basis by the responsible college official who will consider who has custody or control of the student, who is financially supporting the student, and who has assumed general responsibility for his/her welfare.

D. Domicile.

(1) Establishment of domicile. The term "Domicile" shall be synonymous with the term "residence". Domicile is a person's permanent place of abode; namely, there must be an intention to live permanently or indefinitely in Maryland. Domicile must be established in Maryland for a purpose independent of attendance at a State College.

(2) Maintenance/change of domicile. For the purpose of residency for tuition purposes, only one domicile may be maintained.

(A) A domicile in Maryland is lost when a new one is estasblished elsewhere, or if an individual leaves the state with no intent to return to Maryland. After residing elsewhere for six months, regardless of intent to return, the individual's status as a resident for tuition purposes is in question.

(B) The domicile of the applicable person shall be determined at the time of initial registration of the student but may thereafter be changed for any subsequent semester if circumstances change in relation to these regulations.

(3) Criteria for determing domicile. The following criteria shall be considered by the State College in determining the domicile of a student who is not financially dependent.

(A) Ownership or rental of living quarters in Maryland other than property owned, managed or supervised by the State College, such as dormitories, fraternity houses, or sorority houses.

(B) The substantially uninterrupted physical presence in Maryland, including the months when the student is not in attendance at the State College.

(C) Maintenance in Maryland of all, or substantially all, of the student's possessions.

(D) Payment of Maryland state income taxes on all income earned, including all income earned outside the State.

(E) Registration to vote and actually having voted in the state if an election has been held subsequent to registration to vote.

(F) Registration of a motor vehicle in the State, if the student owns or uses such a vehicle.

(G) Possession of a valid Maryland driver's license if the student is licensed to drive anywhere.

(H) Any other relevant facts.

(4) Military Personnel. The following shall apply to a member of the armed forces if he/she is the person whose domicile controls for tuition purposes.

(A) Members of the armed forces not from Maryland at the time of entrance into the armed fores and stationed in Maryland may be considered residents of this State if they establish domicile in Maryland.

(B) A member of the armed forces who was a resident of Maryland at the time he/she entered the armed forces retains his/her residency status as long as he/she remains in the armed forces provided he/she does not establish domicile elsewhere.

(C) Military Personnel sent by a branch of the armed forces to a State College for the purpose of completing degree requirements may be granted residence status for tuition purposes.

(5) Foreign Nationals. The domicile requirements set forth in these regulations shall apply to immigrant aliens lawfully admitted for permanent residence in accordance with the laws of the United States.

(6) Responsibility of students.

(A) Any student or prospective student in doubt concerning

his/her residence status is responsible for receiving a ruling from the designated official at the applicable State College.

(B) A student whose status is altered from resident to non-resident, or vice-versa, because of the change of domicile of the student, parent or spouse, as applicable, has the responsibility of informing the designated official at the State College.

(C) The residency status of a student may be altered by the State College on the basis of its own findings.

(D) A change in tuition status must be requested by a student prior to registration period in order to be effective for the semester.

(E) A student applying for a change to Maryland resident tuition status must furnish under oath a statement fully disclosing his income and assets, to include parental or spousal income tax data, and must furnish any further documentation deemed necessary by the institution.

(F) The burden of proof shall be upon the student to establish residence in Maryland by clear and convincing evidence.

(7) Responsibility of each State College

(A) If a timely request for reclassification is made by the student and if the State College has not rendered a final decision prior to the commencement of the applicable semester, the student will pay fees and charges associated with his contemporary residency status; and if the status is changed, any excess fees or charges will be refunded.

(B) Each State College shall establish an appeals procedure which will be assumed to work from written documents rather than by way of formal hearings. An Appeals Committee decision may be appealed further to the chief administrative officer of the institution or to his designee.

(8) Interpretation of Rules. These rules shall not be interpreted as establishing any irrefutable presumptions of fact.

Advanced Undergraduate Standing

(See MCHE Student Transfer Policies under Admission of Transfer Students on page 31)

ADMISSIONS PROCEDURE

Application Deadlines: Applications may be submitted as early as September 15. Applicants are encouraged to apply early in the Fall Semester of their senior year and to adhere to the following deadlines and notification dates:

Fall Semester - Feb. 1	Notification Date - March 20
Spring Semester - Oct. 15	Notification Date - Dec. 1

Applications will be accepted after deadline dates if space is available.

Applications for admission must be accompanied by a non-refundable application fee of $10.00. Upon acceptance to the College, the applicant is required to submit a non-refundable acceptance fee of $50.00. When the student enrolls, the $50.00 acceptance fee will be credited toward charges due at registration. Both the application fee

and the acceptance fee are applicable only for the semester for which the application is submitted.

Since requirements for admission include scores on the Scholastic Aptitude Test (SAT), each applicant must request Educational Testing Service, Princeton, New Jersey, 08540, to forward his test scores directly to the Director of Admissions. The code number for Salisbury State College is 5403. Details concerning the administration of the Scholastic Aptitude Test may be obtained from the high school guidance counselor or principal.

Admission by high school equivalence diploma

Applicants who are not high school graduates may qualify for admission by earning satisfactory grades on the high school Equivalence Examinations administered by the State Department of Education and receiving the high school equivalence diploma. These students follow the same procedures for admission as those making application from secondary schools.

Admission of auditors and special students

Applicants who have not earned a degree and who wish to take a limited number of undergraduate courses in the non-degree program during the fall and spring sessions should apply through the Admissions Office.

Admission of foreign students

Admission may be offered to a limited number of foreign students who demonstrate college ability and proficiency in the English Language, and who have the necessary health and financial prerequisites. Foreign student applicants must take the TOEFL and have the results forwarded to the Admissions Office before formal applications will be considered.

Readmission

Former students in good standing at the time of their withdrawal from Salisbury State College who have not attended another college during their absence from Salisbury State are eligible for readmission. To be readmitted the candidate must apply through the Office of Academic Dean.

Former students who have been required by the College to withdraw for academic or other reasons may petition the Committee on Admissions for reinstatement. Such candidates for readmission should petition the Committee by letter addressed to the Academic Dean. Letters must show reasons why the candidate merits consideration for reacceptance and present evidence that reinstatement will be followed by successful performance. Applicants for readmission who have been dropped from the College shall normally be interviewed prior to consideration for readmission.

Former students who have attended another college after leaving Salisbury State College must apply for readmission and request that transcripts be sent to the Academic Dean's Office.

ADMISSION OF FRESHMEN STUDENTS

Regular Admission

The policy for regular admission of new freshmen is based on the predicted success of our applicants. Criteria for admission include the high school grades in academic subjects for the Sophomore year, the Junior Year, and the first half of the Senior Year, and the verbal and math scores of the Scholastic Aptitude Test.

Rolling Admission

Applicants eligible for admission shall be admitted as their files are complete.

Early Admission

Students who have completed the Junior year of high school may apply for acceptance in September into the regular college program provided they: 1) have a minimum combined score of 1200 with a minimum score of 600 in verbal SAT taken during the Junior year of high school; 2) have a minimum 3.25 average (on a 4 point scale) in academic subjects taken during the Sophomore and Junior years of high school; 3) have certification from the high school principal attesting to the student's eligibility for a high school diploma under the Early Admission Program; and 4) have a personal interview with the Director of Admissions prior to consideration for admission. Applications must be submitted to the Admissions Office with completed documents after the completion of the Junior year and before July 1.

ADMISSION OF TRANSFER STUDENTS

Regular Admission

Transfer students from Maryland junior colleges, who have the A.A. degree or who will complete requirements for the A.A. degree at the end of the semester in which they are applying, shall receive admission preference.

Students who have earned a 2.0 average or better in their previous college work (having completed a minimum of 12 semester hours) shall normally be admitted. Transfer students from accredited colleges will receive credit for all work completed with grades of "C" or better. "D" grades will satisfy requirements on the same basis as native students but will not count towards the 120 semester hour requirement for graduation.

The Freshman Admissions Policy shall apply to students who have attempted less than 12 hours of credit at another institution.

To be eligible for the Bachelor's Degree from Salisbury State College the final thirty semester hours credit in the Senior year must be earned at this institution. This requirement may be reduced in the case of students who earlier graduated from two-year or three-year programs at any of the former Maryland State Normal Schools, or in the case of other students with approval of the College President.

MCHE STUDENT TRANSFER POLICIES

PREAMBLE

The initial overarching objective of this committee has been to relate in operational ways the Undergraduate Programs offered in the public sector of Higher Education in Maryland including the Community Colleges, the State Colleges, and the Campuses of the University.

The intended principal benefactor is the student who is best served by current information about programs and protected by firm arrangements among the public segments of higher education in Maryland which permit him to plan a total degree program from the outset. With successful academic performance, he or she can make uninterrupted progress even though transfer is involved. The measure of the Plan is maximum transferability of college level credits. Essentially, the transfer and native students are to be governed by the same academic rules and regulations. It is recognized that the guidance data essential to the implementation of Transfer Arrangements go well beyond the scope of the present report.

In a complementary way the state's interests are served by having its higher education resources used optimally by reducing the time taken to complete a degree through the avoidance of repeated class experiences.

The institutional interests are protected also by the systematic approach; they are relieved of the uncertainties of unplanned articulation without becoming production line enterprises.

The dynamics of higher education preclude once-and-for-all time curriculums and perpetual grading and retention systems as cases in point. However, within the general structure of this plan there is opportunity for continual updating of the details.

In more specific ways the Committee has proceeded (1) To recommend specific areas of agreement among the public community colleges, the State Colleges, and the State University pertaining to facilitating the transfer of students within the segments of public higher education in the state; (2) To provide for a continuous evaluation and review of programs, policies, procedures, and relationships affecting transfer of students; and (3) To recommend such revisions as are needed to promote the academic success and general well-being of the transfer student.

POLICIES

1. Public four-year colleges and the Campuses of the University shall require attainment of an overall "C" average by Maryland resident transfer students as defined by the sending institutions as one standard for admission. If the student has two or more institutions, the overall "C" (2.0) will be computed on grades received in courses earned at all institutions attended, unless the student presents an Associate in Arts Degree.

(A) Efforts shall be intensified among the sending institutions to counsel students on the basis of their likelihood of success in various programs and at various institutions based on shared information (see par. 1 (B) and Par. 9).

(B) Procedures for reporting the progress of students who transfer within the State shall be regularized as one means of improving counseling of prospective transfer students. In addition, each public institution of higher education shall establish a position of student transfer to assist in accomplishing the policies and procedures outlined in this plan.

2. Admissions requirements and curriculum prerequisites shall be stated explicitly.

(A) Course and semester hour requirements which students must meet in order to transfer with upper division standing shall be clearly stated.

(B) The establishment of articulated programs is required in professional and specialized curricula.

(C) Students shall be strongly encouraged to complete the requirements for the award of an Associate in Arts Degree or to complete successfully 56 semester hours of credit before transfer.

3. Information about transfer students who are capable of honors work or independent study shall be transmitted to the receiving institution.

4. Transfer students from newly established Public Colleges which are functioning with the approval of the State Department of Education shall be admitted on the same basis as applicants from regionally accredited colleges.

5. (A) Students from Maryland Community Colleges who have been awarded the Associate in Arts Degree or who have successfully completed 56 semester hours of credit, in either case in college and university-parallel courses (see par. 6), and who attained an over-all "C" (2.0) average, shall be eligible for transfer. Normally they will transfer without loss of credits and with Junior standing provided they have met the requirements and prerequisites established by the receiving institution within the major. Parenthetically, Junior standing does not assure graduation within a two-year period of full-time study by a native student or by a transfer student.

(B) The Associate in Arts Degree shall serve as the equivalent of the lower division general education requirements at the receiving institution where the total number of credits required in the general education program in the sending institution is equal to or more than that required in the receiving institution and where the credits are distributed among the Arts and Sciences disciplines.

(C) The determination of the major program requirements for a Baccalaureate Degree, including courses in the major taken in the lower division, shall be the responsibility of the institu- awarding the degree.

6. Credit earned at any public institution shall be transferable to any other public institution as long as that credit was designed specifically for a College or University-parallel program, and providing its acceptance is consistent with the policies of the receiving institution governing native students following the same program. Transfer of credits from terminal (career) programs shall be evaluated by the receiving institution on a course by course basis. Credits applied towards a specific major and minor shall be determined by the receiving institution in these cases.

7. Credit earned in or transferred from a Community College shall normally be limited to approximately half the Baccalaureate Degree Program requirement and to the first two years of the undergraduate educational experience.

8. Transfer students shall be given the option of satisfying graduation requirements which were in effect at the receiving institution at the time they enrolled as Freshmen at the sending institution, subject to conditions or qualifications which apply to native students.

9. Institutions shall notify each other as soon as possible of impending curriculum changes which may affect transferring students. When a change made by one institution necessitates some type of change at another institution, sufficient lead time shall be provided to effect the change with minimum disruption. The exchange of data concerning such academic matters as grading systems, student profiles, grading profiles, etc., is required.

10. Community College students shall be encouraged to choose as early as possible the institution and program into which they expect to transfer.

11. Innovative programs in all institutions are encouraged. Proposed programs which would have system-wide implications or which would effect student transfers to more than one institution must be reported to the Maryland Council for Higher Education.

12. The Maryland Council for Higher Education Articulation Committee shall continue to review and evaluate current articulation policies and shall set additional policies as needed. In addition, the Maryland Council will publish a brochure annually listing the prerequisites within the major and professional programs of all public four-year Colleges and Universities in the State.

13. In the event a transfer student believes he or she has not been accorded the consideration presented in this policy statement, he shall have the opportunity to have the situation explained or reconciled.

Initially, differences of interpretation regarding the award of transfer credit shall be resolved between the student and the institution to which he is transferring. If a difference remains unresolved, the student shall present his evaluation of the situation to the institution from which he is transferring. Representatives from the two institutions shall then have the opportunity to resolve the differences.

The sending institution has the right to present an unresolved case to the committee on articulation by addressing the Maryland

Council for Higher Education. The Committee on Articulation shall, through an appointed subcommittee, receive relevant documentation, opinions, and interpretations in written form from the sending and receiving institution and from the student. Subcommittee deliberations will be confined to this written documentation. The full Committe shall act on the subcommittee recommendation.

Copies of the Committee recommendation shall be forwarded to the institutions involved through the Maryland Council for Higher Education. The Council shall then be advised of the institutional action within a ten-day period.

A complaint on transfer status must be initiated by the student within the first semester of his enrollment in the receiving institution.

14. While it is recognized that certain circumstances may require a limitation on the size of Junior Classes, the State of Maryland should support four-year insitutions so that all students in a transfer program who are awarded an Associate in Arts Degree from a public Community College shall have the opportunity to be admitted with full Junior standing to a public four-year institution. Where the number of students desiring admission exceeds the number that can be accommodated in a particular professional or specialized program, admission will be based on criteria developed by the receiving institution to select the best qualified students.

CREDIT EXCHANGE PROGRAM

Any full-time undergraduate student, except Freshmen, at Salisbury State College may enroll in courses at University of Maryland — Eastern Shore, and receive at full value credit earned for such courses provided approval is received from the Academic Deans of both institutions. Full-time students participating in this Exchange Program pay no additional tuition or fees and credit earned is considered residence credit.

COOPERATIVE PROGRAM

Full-time students at any of the state colleges of Maryland may generally receive full value for credits earned in courses taken at any of the other institutions under the cooperative program. Such credits are considered residence credits by the receiving institution and, when applicable, may count toward program requirements at Salisbury State College.

CREDIT BY EXAMINATION

Salisbury State College has two formal policies regarding the recognition of college-level work completed outside of the direct institutional auspices of the college. Both of these policies enable students with educational experiences above and beyond those normally characteristic of entering college students to demonstrate competence through examination, and thus gain credit for college-level courses. Students who have acquired the knowledge and understanding normally gained

through college classwork, may thus move more quickly towards graduation, towards graduate school, and towards productive involvement in our society.

A. Advanced Placement Program: The Advanced Placement Program of the College Entrance Examination Board is based on the belief that exceptional high school students can complete college-level studies prior to entrance into college. Salisbury State College recognizes the Advanced Placement Program by awarding college credit to participating students who score satisfactorily on the Advanced Placement Examinations.

B. College-Level Examination Program (CLEP): The College-Level Examination Program is designed to "help people gain recognition for what they know and can do, irrespective of how or where they learn it." Salisbury State College recognizes the college-level examination program as consistent with its educational philosophy and objectives.

1. The General Examinations: Exceptionally experienced students may qualify for as many as 24 semester hours of credit by achieving scores of 50 or more on the CLEP General Examinations.
2. The Subject Examinations: Exceptional students who through extensive reading, correspondence courses, or other experiences have attained competence in college-level subjects, may gain credit through one or more of the CLEP Subject Examinations. In accord with the recommendations of the Council of College-Level Examination Program, Salisbury State College accepts as worthy of college credit the mean score achieved by students in the national norms sample who earned a grade of "C" in a regular college course in the subject, provided similar course credit has not already been earned, a student may take any of 35 specified subject examinations and gain college credit from satisfactory scores.

Salisbury State College also grants credit for education experience in the Armed Services, based upon recommendations of the American Council on Education. These experiences consist mainly of in-service training in the various branches of the armed services.

Specific information regarding credit by examination, advanced placement or for military experience, may be obtained by writing to the Director of Counseling Services, Salisbury State College.

HEALTH AND PHYSICAL FITNESS

Each new student admitted to the College must present the Salisbury State College Health Evaluation Form, signed by a physician, showing that the student meets acceptable standards of health and physical fitness. Forms are made available to the student prior to his first enrollment in the College.

VETERAN STUDENTS

The Registrar's Office maintains close contact between the College and the Veterans Administration. Veterans planning to use educational benefits under any of the G. I. bills should first contact the Regional Office of the VA to initiate Certificate of Eligibility. The stu-

dents attending under the auspices of the Veterans Administration should notify the Regional Office of any change in academic or personal status. Failure to do so will result in delayed payment.

Veterans must present a photostatic copy of their Separation From Active Duty, Form DD 214, to the Office of the Director of Admissions at the time of admission.

AIR FORCE RESERVE OFFICER TRAINING CORPS

Through arrangements with the University of Maryland-Eastern Shore and the United States Air Force, students at Salisbury State College may enroll in the AFROTC and, upon completion of the prescribed course, become Commissioned Officers in the Air Force at graduation. This program is offered at the University of Maryland-Eastern Shore, located 15 miles south of Salisbury at Princess Anne, and is available to both men and women students at the College through the Cooperative Program existing between the two institutions.

For students at Salisbury State College, the AFROTC Program consists of the Professional Officer Course taken during the Junior and Senior years. Students completing this course earn twelve hours credit and receive their commissions upon graduation.

Application and testing for admission to the Professional Officer course may be initiated during either the Freshmen or Sophomore year. To qualify students must earn satisfactory scores on the Air Force Officer Qualifying Test and meet physical standards established by the Air Force. Final selection is made during the second semester of the Sophomore year.

Students selected for enrollment will receive six weeks of training at an Air Force Base during the summer following the Sophomore year. Participants receive pay plus travel expenses and room and board for the entire six weeks period.

All students enrolled in the Professional Officer Course receive a nontaxable allowance of $100.00 per month during their Junior and Senior Academic Years. Also students may compete for AFROTC Scholarships which provide full tuition, laboratory and incidental fees, and full reimbursement for curriculum required textbooks.

Complete information on the program may be obtained by telephoning 301 651-2216 or writing to Air Force ROTC, Princess Anne, Maryland 21853.

COLLEGE EXPENSES AND STUDENT AID

	1st Semester	2nd Semester	Total
Tuition, Maryland Residents	$100.00	$100.00	$200.00
Tuition, Out-of-State	325.00	325.00	650.00
Room			
Choptank and Chester Halls	245.00	245.00	490.00
Nanticoke Hall	235.00	235.00	470.00
Manokin, Pocomoke & Wicomico Halls	225.00	225.00	450.00
	270.00	270.00	540.00
Board			
Student activities fee	30.00		30.00
Athletic fee	40.00		40.00
College center fee	40.00	40.00	80.00
Curriculum fee	95.00	95.00	190.00
Registration fee	10.00	10.00	20.00
Totals: Maryland Residents*	820.00	750.00	1,570.00
Out-of-State Residents*	1,045.00	975.00	2,020.00
Day Students- Residents of Maryland	315.00	245.00	560.00

* Total fees based on $470.00 fee for room.

Note: Fees may be changed and new ones established at any time by action of the Board of Trustees.

Tuition: Undergraduate students who are Maryland residents pay a tuition fee of $200.00 for the academic year. Tuition for out-of-state undergraduate students is $650.00 for the year. Residency determination is made by the Admissions Office upon application for admission. Information concerning residency classification can be found on pages 26-28 of the catalog.

Tuition for auditors, part-time and special students is charged at the rate of $25.00 per semester hour for undergraduate credit, and $38.00 per semester hour for graduate credit. Students in these categories pay the regular registration fee of $10.00 per semester, a College Center fee of $5.00 per semester, and out-of-state students pay an additional fee of $15.00 at the beginning of each semester.

For tuition purposes, a full-time undergraduate student is a student taking 12 or more credit hours (equivalency credit hours are counted for non-credit courses) each semester. A part-time student (including students who audit courses or are classified as special students) is a student taking 11 or fewer credit hours (equivalency credit hours are counted for non-credit courses) per semester for undergraduate or graduate credit.

Room and Board: Students residing in the College dormitories pay a total room and board fee for the academic year as follows: Choptank and Chester Halls $1,030.00, Nanticoke Hall $1,010.00, Manokin, Pocomoke and Wicomico Halls $999.00. Students living on-campus must pay for both room and board. Students living off-campus may obtain meals at the College Dining Hall as needed through payment for each meal. Slight increases may occur in both room and board in the 1975-76 academic year.

Those who have made reservations for dormitory rooms must claim their rooms no later than the evening of the date assigned for their registration at the beginning of the semester. Students arriving after this date and wishing to hold their room reservations may do so by notifying the Office of the Director of Housing no later than the day on which their registration is scheduled.

Student Activities Fee: A fee of $30.00 per academic year is paid by all full-time students to meet expenses in connection with class social functions, student publications, dramatic productions, and other duly authorized student activities during the academic year.

Athletic Fee: Full-time students pay an Athletic Fee of $40.00 per academic year. Funds from this fee are assigned to the Department of Health and Physical Education and are used in implementing a well-rounded athletic program at the college. Athletic fees contribute toward meeting expenses incurred in the purchase of consumable supplies for varsity and intramural sports, the transportation of athletic teams, payment for athletic officials, and numerous other services.

College Center Fee: A fee of $80.00 per academic year is paid by all full-time students. A fee of $5.00 per semester is paid by all part-time graduate and summer session students.

Curriculum Fee: A curriculum fee of $190.00 per academic year is charged all regularly enrolled full-time students for materials and supplies used in classroom instruction.

Registration Fee: A fee of $10.00 per semester is paid by all students for registration at the college. Students registering or preregistering after the designated time pay an additional $5.00 late registration fee.

Graduation Fee: Prior to graduation, degree candidates pay a fee of $10.00 for the Bachelor's Degree and $25.00 for the Master's Degree to meet expenses incurred in the printing of diplomas and rental of caps and gowns.

Books and Supplies: Books and classroom supplies may be purchased at the College Bookstore, maintained for the convenience of students. Expenses will vary with the cost of books and other materials required for particular courses but will not ordinarily exceed about $100.00 each semester.

Student Linen Service: For a moderate fee, resident students, at their option, may contract with the student linen service for the provision of two sheets, one pillow case, and three bath towels each week throughout the academic year.

Motor Vehicle Registration: Students who operate vehicles on the College Campus must register these vehicles with the College Security Office at the time of course registration. Resident students who are freshmen are not permitted a vehicle on campus.

Student Accident and Sickness Plan: The College sponsors a Comprehensive Accident and Sickness Insurance Plan with coverage on a 24 hour 12 month basis. The insurance applies to accidents and sicknesses occurring while at College, at home, or elsewhere. The plan is entirely voluntary. Details of the insurance are fully explained in a brochure which will be mailed to all students.

ADVANCE PAYMENTS

Candidates seeking admission to the College must pay a non-refundable $10.00 application fee with the Admission Application Form. After evaluation and review by the Admissions Office, the candidate is notified of his or her status regarding admission. If accepted for admission, the student will receive a bill with the acceptance for an advance payment of $50.00 which is payable immediately. Payment of this charge assures the student placement in the appropriate class at time of entry. The $50.00 advance payment is non-refundable but will be applied toward payment of the total fees due on or before Registration Day. If the student fails to register, the $50.00 advance deposit is forfeited at the close of Registration Day as set forth in the official College calendar.

ADVANCE HOUSING DEPOSIT

An advance room reservation deposit of $60.00 is required of students living in residence halls in order to guarantee a room reservation for the next academic year. The advance payment will be applied to the total room fee for that academic year.

The advance housing deposit shall be paid to the College no later than March 15th of each year to assure a room reservation for the next academic year.

Students may cancel room reservations by notifying the Office of the Director of Housing in writing prior to June 1 and the advance deposit will be refunded. Refunds will not be made after the June 1 deadline.

PAYMENTS TO THE COLLEGE

Payments to the College for student tuition and fees are due and payable prior to the beginning of each semester on the date shown on

the Statement of Fees. Failure to meet the due date will require the student to appear in person and make payment on the official college registration day each semester. All checks or money orders should be payable to:

Salisbury State College
P.O. Box 2195
Salisbury, Maryland 21801

Cash payment may be made at the Cashier's Office daily between 8:30 a.m. and 4:30 p.m. No student may complete his registration unless all charges due have been paid in full.

ELIGIBILITY FOR REFUNDS

To be eligible for any refund, a withdrawing student must submit a completed official withdrawal card to the Office of the Registrar. If a resident student, the Director of Housing also must be notified to effect a refund of proper room and board charges as set forth in the refund policy section. Any refunds are based on the date on which the withdrawal card is filed with the Registrar. Failure to file the official notification shall result in a forfeit of all rights to refund. No withdrawals will be back-dated. Students who are asked to leave a residence hall for disciplinary reasons will receive refunds in accordance with the College Refund Policy. Students dismissed by the College for disciplinary reasons shall not be entitled to any tuition or fee refund.

Student key deposits will be refunded in full when the student returns the key to the Resident Hall Offices. The cost of repairs and/or replacement of any college property damaged by the student will be deducted from any refunds due the student. Damaged property will be inspected by the Physical Plant Department and a determination made of repair or replacement cost prior to any refund.

REFUND POLICY

Notification date is the date of withdrawal received by the Registrar's Office.

PRIOR TO THE OFFICAL REGISTRATION DAY:

All tuition and fees except the $50.00 advance deposit for new students, the $60.00 advance housing deposit and the non-refundable $10.00 registration fee ($10.00 in-state and $25.00 out-of-state part-time students) for full-time undergraduate students.

PRIOR TO THE FIFTEENTH CALENDAR DAY OF THE OFFICIAL BEGINNING OF CLASSES:

All tuition less a $10.00 administrative cost will be refunded. No fees shall be refunded. Board refund will be pro-rated, plus one week.

BEGINNING WITH THE FIFTEENTH DAY AFTER THE OFFICIAL BEGINNING OF CLASSES TO MID-SEMESTER:

Fifty per cent of tution less a $10.00 administrative cost will be refunded. No fees shall be refunded. Board refund will be pro-rated, plus one week.

MID-SEMESTER UNTIL END OF SEMESTER:

No refunds of any type.

Individuals who register for a full schedule and who drop courses after the official beginning of classes at the college shall not be entitled to a refund based on a credit hour charge.

The Director of Business and Financial Affairs makes the final determination on refund eligibility and amount of refund. Appeals should be in writing addressed to that office.

LOANS AND SCHOLARSHIPS

Financial assistance is available to students through loans, grants-in-aid, scholarships, and on-campus and off-campus employment. This assistance is awarded on the basis of financial need and academic achievement. Students are encouraged to make inquiries about financial aid when making application for admission to the college.

AAUW Scholarship: The Salisbury Branch of the American Association of University Women offers one scholarship in the amount of $150.00 annually to a Junior or Senior woman attending Salisbury State College. The student must reside on the Eastern Shore of Maryland and should evidence financial need. Applications may be secured from the Office of the Financial Aid Officer.

Delta Kappa Gamma Scholarship: One scholarship of $150.00 is awarded each year to a high school girl desiring to prepare for elementary or secondary school teaching at Salisbury State College. Students who receive this one year scholarship must reapply for continuation of the grant.

Supplemental Educational Opportunity Grants: Federal grants are available to qualified students showing financial need. Such grants are matched in an equal amount by some other form of aid and are made on the basis of the students application for financial aid. Forms may be secured from the Office of the Financial Aid Officer.

Kiwanis Education Loan: The Salisbury Kiwanis Club has established a loan fund for students from Wicomico County. A maximum of $350.00 per year at low interest is available. Inquiries should be directed to the President of the Salisbury Kiwanis Club.

Edna M. Marshall Memorial Fund: This fund provides low interest loans of up to four hundred dollars to students of at least sophomore standing. Applications and information may be obtained from the Financial Aid Officer.

Maryland Higher Education Loans: Students enrolled or accepted for enrollment may obtain low interest insured loans from private lending institutions. Applications may be secured from the Office of the Financial Aid Officer and should be forwarded directly to participating lending institutions.

National Direct Student Loan Program: This program provides low interest loans from the Federal Government for students who have established financial need through Salisbury State College and either the parents' or students' confidential statement. Inquiries should be addressed to the Financial Aid Officer.

Richardson Scholarship: The Lloyd A. Richardson Foundation of Salisbury, Maryland has established a scholarship fund for students attending the College. Preference is given to students from Wicomico, Worcester, and Somerset Counties. The fund is administered by the Financial Aid Officer and awards are granted to qualified applicants on the basis of need and academic ability, depending on the amount of funds available.

Salisbury Rotary Club Loan Fund: The Salisbury Rotary Club maintains a fund from which qualified students from Wicomico County may borrow to assist in financing their college education. Inquiries should be directed to the President of the Salisbury Rotary Club.

SICO Foundation Scholarship: The SICO Foundation of Mount Joy, Pennsylvania, provides four-year scholarships, each in the amount of $300.00 per year, to entering Freshmen who are legal residents of Cecil County, Maryland, and majoring in Elementary Education. Details may be obtained from guidance counselors of Cecil County High Schools.

A. L. Fleming Memorial Award: This award is a $500.00 unencumbered gift to the outstanding Junior in the Department of Business and Economics.

STUDENT EMPLOYMENT

A limited number of part-time positions on the campus are available for students. Those assigned to such positions must be able to continue their normal academic loads and maintain satisfactory progress toward graduation. Applications for employment may be obtained from the Office of the Financial Aid Officer.

Off-campus employment opportunities are also available within the Salisbury area. The local business community makes frequent requests for student help and students desiring such employment should contact the Director of Career Development.

ACADEMIC REGULATIONS

GRADING SYSTEM

The following grades are used to indicate a student's achievement in individual courses:

A — Excellent
B — Good
C — Satisfactory
D — Poor
N — No Credit
I — Incomplete
PS — Pass (For Courses Taken On A Pass/No Credit Basis Only)
AU — Audit

A student has the opportunity to drop or add courses up to one week following registration. Any course for which the student is registered at the end of the drop-add period shall become a part of the student's record. Following this drop-add period, the symbol N shall be recorded for any registered course in which the student withdraws, drops or otherwise fails to successfully complete.

The symbol I, designating incomplete, indicates that completion of some requirement has been prevented by circumstances beyond the student's control. This symbol automatically becomes an N if the outstanding work is not made up prior to midsemester of the next semester for which the student is enrolled. The student is responsible for completing this work and upon doing so will have the grade earned recorded on his permanent record.

The College seeks to encourage students to select courses from a broad variety of fields. During the Junior and Senior years, students may take certain non-required courses outside their major fields on a pass/no credit basis. * The symbols PS and N, denoting credit and no credit, respectively, will be used for courses taken on the pass/no credit basis. A total of four courses may be taken under this arrangement and a maximum of one course per semester. If a Junior or Senior takes a course on a pass/no credit basis in a summer session it will apply toward the maximum total of four. At the time of registration, the student indicates what course he wishes to take on a pass/no credit basis. Changes of registration either to or from the pass/no credit system are permitted during a one-week period following registration.

CREDIT HOUR REQUIREMENTS FOR GRADUATION

Other than specific requirements in a student's major field of study the college requires the completion of 120 semester hours of course work with grades of A, B, C, or PS. A course in which the grade of D or N is earned may not be included in this 120 hours. All programs leading to a Bachelor's Degree include the required number of hours in General Education Courses. A grade of D earned in any one of these courses shall satisfy that course requirement.

*** Exceptions are courses which are offered only on a credit/no credit basis.**

CLASSIFICATION OF STUDENTS

Students shall be classified by class according to the number of semester hours completed with grades of A, B, C, or PS as follows:
FRESHMAN 0 — 24
SOPHOMORE 25 — 54
JUNIOR 55 — 86
SENIOR 87 and above

Students shall also be classified as full-time, part-time, or special as follows:

Full-time. Students who are matriculated for degree and are enrolled in 12 or more semester hours after the drop-add (one week after registration) period shall be classified full-time students during that semester. Incoming freshman and transfer students shall be allowed to register as full-time students their first semester. Privileges of a full-time student shall include assessment of fees on a semester basis and priority in class registration.

Part-time. Students who are matriculated for degree and are enrolled in fewer than 12 semester hours after the drop-add period shall be classified as part-time students. A student may register as a part-time student provided he has not been academically dismissed the previous semester. Part-time students may not participate in varsity sports and will have their fees assessed on a per-credit basis.

Special. Students who are not matriculated for degree shall be classified as special. Special students may not participate in varsity sports and will have their fees assesed on a per-credit basis. Special students are admitted on a semester by semester basis.

ACADEMIC DISMISSAL

Full-Time Students

It is the College's desire to give all students the opportunity to receive a college education. However, when a student's performance is such that it adversely affects the College's ability to fulfill its responsibilities to other students, continuation must be denied.

Any student who earns twelve semester hours of A, B, C or PS credit per semester is eligible for continuation. A semester with fewer than twelve hours of A, B, C or PS credit is considered a "Deficient Semester."

Academic Dismissal occurs if:

The student earns fewer than three hours of A, B, C or PS credit the first semester at Salisbury State College; or

The student earns fewer than six hours of A, B, C or PS credit any succeding semester; or

The student accumulates a total of three "Deficient Semesters."

Students who fail to meet the minimum requirements for continuation in college shall be academically dismissed. A student who is academically dismissed may petition the Office of the Academic Dean for readmission.

Special and part-time students

Special and part-time students, who, in the judgment of the Academic Dean are not making reasonable progress in their studies at Salisbury State College shall be academically dismissed.

WITHDRAWAL FROM COLLEGE IN GOOD STANDING

The College recognizes that extraordinary circumstances may occasionally necessitate a student's withdrawal from college. Good standing shall mean that a student stands a reasonable chance of fulfilling the requirements for continuation by the end of the semester. A student's good standing shall be judged by the Academic Dean on the basis of the individual evaluations by the student's instructors. The Academic Dean shall also judge the legitimacy of the student's reason for withdrawal. It shall be the responsibility of the student to obtain the official judgment of the Academic Dean before the last day of classes. In case no judgment is obtained or in case the circumstances are judged insufficient for withdrawal in good standing the student shall be academically dismissed. In case a student is allowed to withdraw in good standing an official statement to this effect shall be placed in the student's folder. A student who withdraws in good standing is eligible to continue enrollment at the College beginning with any semester or summer session following withdrawal, subject to the general regulations of the college and deadlines for applications and enrollment.

REPEATING A COURSE

There are certain courses in the catalog which may be repeated for credit. With the exception of these courses a student may not repeat for credit any course in which he has earned a grade of A, B, C, or PS.

COURSE LOAD

The normal course load for students is fifteen semester hours per semester. No student may carry more than eighteen semester hours without approval of the Academic Dean.

GRADUATION WITH HONORS

To receive a Bachelor's Degree with Honors a student must have completed the last 60 semester hours at Salisbury State College with the cumulative grade point average based on all A, B, and C grades at Salisbury State College. SUMMA CUM LAUDE 3.75-4.00, MAGNA CUM LAUDE 3.50-3.74, CUM LAUDE 3.25-3.49. In addition students considered for graduation with honors must have completed at least 50 semester hours of 300 or above level courses with grades of A, B, C, or PS. Transfer students must have 3.25 grade point average from previously attended institutions on those institutions' grading systems.

HONORS

Each year during the spring semester, an Honors Convocation is held at which time public recognition is given to students who have distinguished themselves academically and to those who have made outstanding contributions in extracurricular affairs.

GENERAL REGULATIONS GOVERNING REGISTRATION

Students preregister and register during the period indicated in the calendar or pay a late registration fee. No student will be permitted to enroll for a full-time program after the first week of classes and no student will receive credit for a course in which he is not properly registered.

After the first week following registration, course additions are not permitted. The college reserves the right to discontinue any course or section thereof in which there is insufficient enrollment. Forms for official withdrawal are available in the Office of the Academic Dean. Official withdrawal becomes effective on the date the official withdrawal is filed with the Registrar. Each student should follow the College Catalog and be guided by the Academic Regulations and Requirements. Faculty advisors are available for counsel, but the responsibility for satisfying degree requirements rests with the student. If a student is in doubt about any matter related to his program, he should consult his Faculty Advisor or the Academic Dean.

APPLICATION FOR ADMISSION TO THE TEACHER EDUCATION PROGRAM

For students in the Teacher Education Program, academic progress and personal qualifications are reviewed during the fourth semester of matriculation to determine eligibility for admission to the Professional Program of the Teacher Education Curriculum. The Professional Program is ordinarily begun at the start of the Junior Year. Application forms for admission to the program are available in the Office of the Director of Teacher Education and should be filed during the final semester of the sophomore year.

UNDERGRADUATE AND GRADUATE RECORD EXAMINATIONS

For the convenience of those Seniors wishing to qualify for Admission to Graduate School, arrangements have been made for Salisbury State College to serve as a National Graduate Record Examinations Center for the December, February and June testings.

APPLICATION FOR DEGREES

All candidates for the degree must, at the beginning of the final semester, make application on the appropriate form to the Registrar and pay the required fee. A new application must be completed when a student finds it is necessary to postpone graduation.

CLASS ATTENDANCE

The College regards the classroom as the center of College life. Students are expected, accordingly, to attend classes with regularity. The attendance policy is published in the Student Handbook.

CHANGE OF CURRICULUM AND MAJOR SUBJECT

Students who wish to change their Curriculum or Academic Major may do so by executing the appropriate authorization card which is available in the Registrar's Office. It is the responsibility of the student to meet all requirements necessitated by such changes in his program.

WITHDRAWAL FROM COLLEGE

Any student who finds it necessary to withdraw from college during any period of instruction must secure a withdrawal form from the Office of the Academic Dean. When the student has signed this withdrawal form and filed it with the Registrar, the Business Office will be notified. Students residing in dormitories will be held responsible for checking out with the Supervisor of Residence. A student failing to execute properly the official withdrawal form will forfeit the right to refunds.

TRANSCRIPTS

Transcripts of a student's record will be sent to other educational institutions and organizations only upon written request of the student concerned. One transcript will be issued free of charge. A fee of $1.00 will be charged for subsequent copies of the Student's Scholastic Record. The fee must be paid before the transcript is issued. Official transcripts are not issued to the individual student or graduate. All financial obligations to the college must be met before a transcript is issued.

STUDENT LIFE AND ACTIVITIES

ORIENTATION

During the first week of the Fall Semester, the College sponsors an Orientation Program to familiarize new students with their new environment. Designed to assist these students in adjusting to the responsibilities of college life, the Program provides opportunities for meetings and informal discussion both with student leaders and members of the college staff. Emphasis is placed on acquainting the student with the resources of the College and on guidance toward optimum use of the facilities available. A Placement Testing Program to assist students in selecting appropriate courses is available in certain academic areas.

In the process of orientation, the student gains a better understanding of the objectives and traditions of the College, and also new awareness of his obligations to himself and to the college. The major objective of the Program is to encourage each student to commit himself to maximum use of his own capacities with the goal of realizing the full potential of his educational opportunity.

Individual counseling is available when desired through the Office of the Director of Counseling Services and/or the Office of the Dean of Student Affairs.

DORMITORY ACCOMMODATIONS

The College maintains residence hall facilities for both men and women. These residence halls, under the direction of Supervisors of Residence and student assistants, are open to students enrolled for an academic load of twelve or more hours, whose place of residence is in conformity with the policy regarding housing established by the Board of Trustees of the State Colleges of Maryland.

The following is the policy statement issued by the Board of Trustees:

A student living within a twenty-mile radius of a state college shall not be granted residence hall accommodations at the college until the demand for residence hall accommodations of students living beyond a twenty-mile radius has been met.

HEALTH SERVICES

Recognizing that good health is essential to proper student performance, the College maintains a health service for the benefit of all students. Prior to admission to the college, each student is required to submit a medical report from his family physician. This report includes a complete medical history so that the College physician will have access to accurate information before and during treatment of students.

Medical advice and treatment of minor illnesses are available through a well-equipped college health center. Emergency treatment is available at all times. The professional staff, including a physician and nurses, maintains regular office hours on-campus and is on call at all times.

The College Health Service does not provide for continuous treatment of acute illnesses, severe chronic diseases or for cases requiring the attention of medical specialists, nor does the college assume financial responsibility for their treatment. In the event of serious injuries, contagious diseases, or acute illnesses, parents are advised to arrange for the care of the student until his recovery. Students are urged to take advantage of the group plan for accident insurance since the college is not legally responsible for accidental injuries nor medical expenses resulting therefrom. Details on the group insurance plan are available on request to the Dean of Student Affairs (See page 39.)

CAREER DEVELOPMENT CENTER

The office, located in Holloway Hall, maintains regular office hours from 8:30 a.m. - 4:30 p.m. Monday through Friday.

The service acts as an intermediary agency through which students may be assisted with respect to their employment goals, problems and needs, and provides a service to employers that will enable them to be brought into contact with qualified students. The service also aids students seeking part-time and/or summer employment both on and off campus.

MOTOR VEHICLES

The college extends the privilege of driving and parking motor vehicles on the college campus to all students except resident freshmen. In return for this privilege, each student assumes the obligation of abiding by the rules and regulations of the College governing the use of motor vehicles on the campus.

All motor vehicles operated by students on the campus must be registered with the College Security Office and must display the decal issued at the time of registration. The College assumes no responsibility for the care and/or protection of any student's vehicle or its contents.

COLLEGE BOOK STORE

The primary purpose of the College Book Store is to make textbooks available. However, the store also services a variety of other needs including paperback books, school supplies, art supplies, stationery, clothing, records, tapes, drug supplies, gift items, posters, and greeting cards.

Occupying the northwest corner of the Memorial Student Union, the store is open from 8 a.m. until 5 p.m. Monday through Thursday, and 8 a.m. until 4 p.m. on Friday during the Fall and Spring semesters. It is open 8 a.m. until 4 p.m. between semesters and during the summer sessions. Hours are extended to accommodate night school students during the first week of classes, from 6 p.m. until 7 p.m.

Returns for full credit are accepted on new and unmarked items for two weeks from the date of purchase upon presentation of the sales receipt. Used books are purchased as a service to students during the exam week.

Any revenues exceeding the costs of operation are used for the support of the Memorial Student Union.

STUDENT ACTIVITIES AND ORGANIZATIONS

Student Government Association: The major student organization on the campus is the SGA, the Student Government Association, which supports and finances the major interest groups of the students. It is the official representative agency of the student body and every full-time student, by the payment of his student activity fee, becomes a member. The student activity fee entitles each member to receive copies of campus publications, and free admission to many campus events sponsored by SGA organizations. All organizations and facilities of the campus community operate for the benefit of both day and resident students. More detailed information concerning the SGA is found in the appendix of the current student handbook.

Men's Athletic Association: The Men's Athletic Association is the organization which sponsors the sports program for men in the college. Its membership consists of all full-time male students, and it is under the supervision of the Physical Education Department.

The intercollegiate athletic program includes: Fall — cross-country, football and soccer; Winter — basketball, wrestling, track (indoor): Spring — baseball, golf, tennis, track and lacrosse. Salisbury State is a member of the National Collegiate Athletic Association (N.C.A.A.) and the Mason-Dixon Intercollegiate Conference (M.D.I.C.).

The intramural program includes: Fall — touch football, cross-country, tennis, bowling, place-kick; Winter: — 3 man basketball, bowling, foul-shooting, 5 man basketball, ping-pong team; Spring — tennis, softball, horseshoes, volleyball, frisbee contest, bowling. Also includes supervision of an open gymnasium for all students, 2 hours nightly, and bicycles and a wide variety of sports equipment check-out available. Awards are made for all intramural champion teams and individuals and participation awards.

Women's Athletic Association: Every full-time woman student becomes a member of the Women's Athletic Association upon registration. The purpose of the organization is to provide a variety of athletic and recreational activities for women, under the management of the students with the guidance of the Physical Education Department, to plan and direct varsity and intramural sports, special events such as Sports Days with other colleges, an Annual Awards Night and to sponsor various sports clubs.

The women's intercollegiate sports program includes field hockey, basketball, volleyball, lacrosse, softball, tennis and track and field.

A point system for participation and leadership in athletic and recreational activities is administered by the W.A.A., and a series of awards may be earned by any woman student who accumulates the specified number of points during her college career.

Alpha Omega Biological Society: An organization for all students interested in the science of biology and its applications. Activities consist of field trips to areas of biological note and community projects. Discussions of biological problems, frequently with guest speakers, are held throughout the year.

Beta Beta Beta Biological Honor Society: The Lambda Psi Chapter of this national organization was established at Salisbury State College in 1972. Membership is reserved to those biology majors who have attained a high scholastic average. Notification of eligibility is given each spring to prospective members.

Circulo Quijote: This organization was formed to provide an opportunity for advanced study of various aspects of Spanish culture. Knowledge of the Spanish language is not required for membership.

Music Performance Groups: (College Chorus, Marching Concert Bands, Jazz Ensemble and Chamber Music Ensembles) are courses which receive academic credit. Please refer to the Music Department course listings for Descriptions.

Salisbury State Theater: The College Players is the organization for students interested in working in the theatre. Under the auspices of the Department of Communication Arts, it presents both faculty and student directed productions, each of which is representative of some type of academic theatre. Membership is open to all students.

Evergreen: The campus yearbook, Evergreen, is basically a pictorial record of the activities of the college. The staff compiles this record of students and events throughout the year, with work beginning during the previous spring.

Staff membership is open to all students who display continuing interest and are willing to work.

The yearbook is, essentially, funded by the student activities fee and is a fall publication.

French Club: This organization provides an opportunity for social use of the French language and for additional contact with French culture.

Geographic Society: The Geographic Society was organized in 1963 to stimulate interest in geography through discussion, lecture, research and field trips beyond that which is available in the classroom. The society provides tutorial service and presents programs of general interest.

Membership is restricted to geography majors or students who have completed twelve (12) semester hours in Geography. Students are notified of eligibility by the Society.

The SSC Flyer: A student newspaper which attempts to acquaint students and faculty with campus activities, as well as to provide student opinion on the campus.

Staff appointments to The SSC Flyer are made through the Publication Editor.

Modern Dance Club: This group, organized for men and women by the Department of Physical Education, performs both on and off campus.

Phi Alpha Theta: The Eta Iota Chapter of this international society in history was established in 1959 to serve the needs of those students who possess a required academic average and who are interested in the study of history. In general, membership is restricted to Juniors and Seniors. A statement of qualification for membership is available at the office of the Department Chairman or the chapter advisor.

Photography Association: At Salisbury State, interest in the various aspects of photography is centered in the Photography Association. The Association is maintained for members to develop their skills in the photographic art. On request, the Association serves all campus organizations in making photographic records of their major events.

Physical Education Major's Club (PEM Club): This club, open to all men and women students majoring in physical education, provides professional enrichment experiences.

Religious Organizations: Various denominational groups on campus provide opportunities for spiritual growth and religious actitivity. Local churches and synagogues welcome members of the College family and cooperation between the College and the Salisbury clergy meets the desires of students for maintaining religious associations within their chosen faith.

College Center Program Board: The College Center Program Board plans a balanced calendar of social activities for the year which includes two film series, pop concerts, major speakers, cultural events, art exhibitions, and dances. Special events such as a spring carnival, crafts, trips, and billiards tournaments are also planned.

The major dances are: the Homecoming Ball and the Spring Dance.

Student National Education Assocation: The Student NEA is open to all students of the college. Its primary function is the presentation of programs concerning topics on education not ordinarily presented in classes. This Association is affiliated with the Student Maryland State Teachers Association and the Student National Education Assocation.

Student Academic Affairs Council: This Committee is appointed annually by the SGA for the purpose of encouraging student involvement and responsibility in academic affairs. Its functions may include:

(1) Discussions among students of needed changes in Academic Programs.

(2) Serving when requested as an advisory panel to the Academic Dean, and

(3) Meeting with the Faculty Academic Council for the purpose of exchange of ideas.

Classes: The Freshman, Sophomore, Junior, and Senior classes meet at announced times to conduct business that lies within the province of the class (e.g., election of officers, selection of class representatives for various campus events).

Black Student Union: The Black Student Union was organized in September, 1972 to promote a better understanding and relationship among all people and to attune the college and the community to the needs of blacks and other minorities. Membership in the Black Student Union is open to all Salisbury State College students. The organization sponsors dances, speakers, plays, and benefits. The highlight of the BSU's activities is Black Awareness Week, a series of programs and special events designed to promote the culture and achievements Black Americans have contributed to the college, community and country.

Business and Economics Society: A student group, organized in 1973 by business students to aid community organizations with their

projects. The Society also helps faculty and campus staff with personal and business-related matters.

WSSC Campus Radio: WSSC is managed and operated by students under the auspices of the Department of Communication Arts. Staff membership is open to all students interested in radio broadcasting. The station broadcasts music, information, news, drama, and educational features.

Scarab: The campus literary magazine, SCARAB is a bi-annual publication of student poetry, fiction, artwork, and photography. The magazine is edited by a volunteer student editorial board, and is funded by the Student Activities Fee. SCARAB welcomes unsolicited contributions from all SSC students.

The Psychology Club: This organization is open to all students interested in the science of psychology. Films, discussions, guest speakers are provided as enrichment experiences. The SSC Psi Chi Chapter of this National Honor Society was established in 1974. The chapter is affiliated with the American Psychological Association and was established to serve the needs of those students who possess a required academic average and who are interested in the study of psychology.

A statement of qualification for membership is available at the office of the Department Chairman or the chapter advisor.

Pre-Med Club: The Pre-Med Club is an organization for students interested in pursuing a career in one of the health fields. Through the club, students will have the opportunity to meet with college faculty and area doctors to discuss the various careers in the health services and to plan course schedules that will best meet the needs of the student.

COLLEGE CURRICULA

DEGREE PROGRAMS

The College offers undergraduate programs leading to the Bachelor of Arts and Bachelor of Science degrees. Requirements for graduation include satisfactory completion of one hundred twenty semester hours, forty-five semester hours of which must be taken in prescribed general education courses.

The College also offers a graduate program leading to the Master of Education Degree and the Master of Arts degree in History.

GENERAL EDUCATION COURSES

All programs leading to the bachelor's degree include a minimum of

forty-five semester hours in general education courses distributed as follows:

Group I - 15 Hours

A. English 101, 102 and three additional hours in literature from the English Department.

B. Art, Music, Speech, Philosophy, and Modern Languages (excluding 101, 102, 111). Six hours from at least two departments.

Group II - 15 hours

A. History 101, 102.

B. Economics, Human Geography (excluding Physical Geography), History, Political Science, Psychology, Sociology: nine hours selected from at least two of the disciplines.

Group III - 12 hours

At least six hours from two natural sciences and the remainder from courses in the natural sciences, Mathematics and/or Physical Geography.

Group IV -3 hours

Physical Education and Health: at least 1 hour in activity courses.

In view of veteran's physical conditioning, health-related activities in the service, and maturity, it is appropriate to waive the (3) semester hours normally required in Salisbury State College's General Education Requirements, Group IV. Neither physical education nor health courses will be required of students with military service.

Some departments have additional course requirements in general education for majors in their fields. The student should familiarize himself with the exact requirements for a major in his chosen field of study.

The following majors are offered within the College. Teacher certification is offered in all majors except those designated by an asterisk (*):

Biology
* Business Administration
Chemistry
Communication Arts
* Economics
Elementary Education
English
French
Geography
History
Liberal Studies:
Art Concentration
Earth Science
European Studies
Latin American Studies
Music Concentration
Philosophy Concentration
Urban and Rural Studies
Mathematics
Medical Technology
Physical Education
Physical Science
* Psychology
Social Science
* Sociology
Spanish

Pre-Law: Students with aspirations for law school and a legal profession are encouraged to develop a strong background in the liberal arts. Generally speaking, law schools are receptive to the

applicants who have developed their ability to think clearly and critically, irrespective of their undergraduate major. Therefore, students interested in the legal profession should select courses which will foster their

- ability to comprehend complex issues;
- ability to communicate with effectiveness;
- critical understanding of human institutions and human values, and
- intellectual creativity.

Students seeking more concrete guidance should consult the Academic Counselor.

Pre-Medical Professions: Pre-dental, Pre-medical, and Pre-veterinary students may major in any field. However, the following courses are the *minimum* required for entrance to most professional schools:

Biology 111, 112 & 313
Chemistry 101, 104, 203 & 204
Math 101 & 102
Physics 103 & 104

A dentist, physician and veterinarian are available for advisement. See the Academic Counselor for details.

Specific statements on degrees and requirements are listed under each department in the Courses of Instruction section.

DEGREE REQUIREMENTS

Faculty advisors assist students in planning their academic programs for each semester, but final responsibility for meeting the requirements for graduation rest with the student.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE DEGREES

To qualify for the Bachelor of Arts or Bachelor of Science degree, a student must meet the following requirements:

1. Satisfactory completion of a minimum of 120 semester hours of C or better work.
2. Satisfactory completion of the General Education Requirements.
3. Satisfactory completion of the required number of semester hours study in a major field of concentration with at least a 2.0 average.
4. Completion of at least 30 credit hours immediately preceding graduation at the College as a full-time or a part-time student.

LIBERAL STUDIES

Salisbury State College offers a major in Liberal Studies for two main reasons. First, it is the intention of this program to allow a student to have the opportunity to create for himself, within certain limits, a completely individualized curriculum, one which will be uniquely suited to his special needs. It is increasingly evident that the traditional, lock step curricula with their traditional majors have in many instances become insensitive to the individualism of today's college student. Likewise it is increasingly evident that more and more students are coming to college not really wanting one of the

usual majors, but rather they simply want to read and study widely in a variety of areas. This major would allow them to do so.

Second, a major in Liberal Studies is proposed for those students who wish to take a concentration in areas where the college does not offer a specialized major program. A Liberal Studies Program makes it possible for a student to concentrate in such areas as the fine arts, Physics, Philosophy, or Political Science without having to satisfy, in addition, the requirements of one of the College's approved major programs in order to qualify for the bachelor's degree.

The primary objective of this program is to allow a student to take a baccalaureate degree without having to declare a traditional major. It, therefore, provides college degree recognition for a personalized combination of Liberal Arts courses.

The requirements for a degree in Liberal Studies are:

A. Completion of all General Education Requirements.
B. Completion of 120 semester hours of C or better work.
C. Completion of a minimum of 30 semester hours in 300 level or above courses, with a minimum of a 2.0 average in those courses.

Students planning to obtain a baccalaureate degree in Liberal Studies will be assisted by a faculty adviser of their choice. It is desirable that a student elect the Liberal Studies major by the end of his Junior year. The program will be coordinated by the Office of the Academic Dean.

The student may be awarded either a Bachelor of Arts degree or a Bachelor of Science degree whichever is deemed more appropriate by the Academic Dean.

COURSES OF INSTRUCTION

The following pages show the courses of instruction which are planned for Salisbury State College during the academic year of 1974-75. Courses are grouped under departmental headings arranged alphabetically. Each of the departmental listings includes general information on the program of the department and, where appropriate, the degree requirements for a major in that field. These requirements should be carefully noted when deciding one's major.

Credit toward graduation is figured in terms of semester hours, of which a minimum of 120 are required for the Bachelor's Degree. The credit value of each course is shown with the description of the course and is ordinarily determined by the number of class lecture hours per week. Laboratory work, required in connection with some courses, is generally assigned a credit value of one semester hour for each lab session per week.

Courses numbered in the 100's and 200's are planned primarily for freshmen and sophomores, while those in the 300's and 400's are generally for juniors and seniors. Special notice should be taken of prerequisites which may be required for advanced level courses. Certain 400 level courses are available either for advanced undergraduate or graduate credit. The College reserves the right to withdraw any course for which there is insufficient enrollment.

ART

ASSISTANT PROFESSORS KIMMEL (Chairman), BURGESS; INSTRUCTORS LYTWYN, TATOR.

The Art Department aims to provide a balanced background in art for those students seeking careers as practicing artists, art historians, or as teachers of art on the secondary level. It provides the foundation for advanced art studies, and in certain major studio fields also provides advanced studies intended to develop highly competent artists and teachers. For the general student, as well as the art student, this department seeks to develop perceptual insights, including a sensitivity to the values expressed through the visual arts by a wide variety of cultures.

The Art Department reserves the right to retain permanently one work from each student in each class. The disposition of these works will be decided by the art staff. Other works may be held temporarily for use in specific exhibitions. These will be available to owners no later than one year after the lending date.

Students who wish to be certified to teach art on the secondary level must satisfy the endorsement requirements prescribed by the Maryland State Board of Education. This information is available in the art department.

104. THE ART OF MAN **3 hours credit**
An introduction to the appreciation of all art forms through lectures, discussion and visual aids. The course will offer descriptions and illustrations of various sociological influences, individual styles, and uses of varied subject and media by prehistoric through contemporary artists. **Three hours per week.**

120. TWO-DIMENSIONAL DESIGN **3 hours credit**
An introduction to the basic elements of two-dimensional art; developing a knowledge and application of underlying principles. Students must furnish their own materials. **Four hours per week.**

130. DRAWING I **3 hours credit**
An introduction to basic drawing principles, using a combination of black and white media in the exploration of linear and tonal elements. Students must furnish their own materials. **Four hours per week.**

205. ART HISTORY SURVEY I **3 hours credit**
A survey of art from Prehistoric to the Renaissance, with emphasis on the relationship of art to the historical and cultural context within which it was created. **Three hours per week.** (Offered fall semester, alternate years, beginning 1975.)

206. ART HISTORY SURVEY II **3 hours credit**
A survey of the Renaissance through Contempory Art, with emphasis on the relationship of art to the prevailing interests, values, and beliefs of the society or period in which it was created. **Three hours per week.** (Offered spring semester, alternate years, beginning 1976.)

215. CERAMICS I **3 hours credit**
An introduction to the art of making clay pottery using methods of hand building, forming, glazing, decorating and firing. Students must furnish their own materials. **Four hours per week.**

225. THREE-DIMENSIONAL DESIGN **3 hours credit**
An introduction to the elements of design using line, shape, space, texture and color in a three-dimensional manner. Students must furnish their own materials. **Prerequisite:** Art 120 or consent of the instructor. **Four hours per week.** (Offered fall semester only.)

229. PHOTOGRAPHY **3 hours credit**
A course to introduce the student to elementary photographic methods and darkroom procedures. Students must furnish their own camera and materials. **Four hours per week.**

230. DRAWING II **3 hours credit**
An introduction to advanced mono- and polychromatic drawing techniques using wet and dry media. Students must furnish their own materials. **Prerequisite:** Art 130 or consent of the instructor. **Four hours per week.** (Offered spring semester only.)

240. PAINTING: OILS **3 hours credit**
An introduction to basic oil painting techniques, exploring color relations and the handling of painting materials. Students must furnish their own materials. **Prerequisite:** Art 120 or consent of the instructor. **Four hours per week.** (Offered fall semester only.)

245. PAINTING: ACRYLICS **3 hours credit**
An introduction to basic acrylic painting techniques, exploring color relations and the handling of painting materials. Students must furnish their own materials. **Prerequisite:** Art 120 or consent of the instructor. **Four hours per week.** (Offered spring semester only.)

250. PRINTMAKING **3 hours credit**
An introduction to basic fine art methods of relief and serigraphic printing, exploring mono- and polychromatic elements through various techniques. Students must furnish their own materials. **Prerequisite:** Art 120 or 130 or consent of the instructor. **Four hours per week.** (Offered spring semester only.)

265. WOODCARVING: BAS-RELIEF **3 hours credit**
A studio course to teach the understanding, use and appreciation of various tools and woods, providing the student with a basis for a creative experience in wood design. Students must furnish their own materials. **Four hours per week.**

300. HISTORY OF AMERICAN ART **3 hours credit**
A survey to the visual arts in the United States from the colonial period to the present day, with emphasis on the development of an American style or "tradition" in the arts. **Prerequisite:** Art 104 or 206 or consent of the instructor. **Three hours per week.** (Offered fall semester, alternate years, beginning 1974.)

301. HISTORY OF TWENTIETH CENTURY ART **3 hours credit**
A survey of painting, sculpture, graphics and architecture, with emphasis on contemporary art. **Prerequisite:** Art 104 or 206 or consent of the instructor. **Three hours per week.** (Offered spring semester, alternate years, beginning 1975.)

315. CERAMICS II **3 hours credit**
An introduction to the elements and principles of designing and making pottery through the process of wheel-throwing. Students must furnish their own materials. **Prerequisite:** Art 215 or consent of the instructor. **Four hours per week.** (Offered spring semester only.)

319. CRAFTS **3 hours credit**

A basic course to provide students the opportunity to become familiar with textural design using a variety of materials and techniques. Students must furnish their own materials. **Four hours per week.**

328. GRAPHIC DESIGN **3 hours credit**

A course introducing commercial design techniques and principles dealing with problems of communication and functional design. Students must furnish their own materials. **Four hours per week.**

350. PRINTMAKING **3 hours credit**

An introduction to basic fine arts methods of intaglio and lithographic printing, exploring mono- and polychromatic elements through various techniques. Students must furnish their own materials. **Prerequisite:** Art 120 or 130 or consent of the instructor. **Four hours per week.** (Offered fall semester only.)

360. SCULPTURE **3 hours credit**

A basic course to explore the expressive qualities of form, using the subtractive and additive processes. Students must furnish their own materials. **Prerequisite:** Art 225 or consent of the instructor. **Four hours per week.** (Offered spring semester only.)

375. APPLIED ART **3 hours credit**

Practice in using construction skills for developing creative art projects appropriate especially for Elementary Education (K-6). Various tools and materials are used to develop basic skills in art expression. For Elementary Education majors only. Students must furnish some of their own materials. **Four hours per week.**

390. INDEPENDENT STUDY **1 to 3 hours credit**

A course to provide directed study in one or a combination of studio disciplines. Students must furnish their own materials. **Prerequisite:** Completion of all regularly scheduled courses in thesis area. Participation by invitation of the Department only.

399. EUROPEAN FIELD STUDY **3 hours credit**

An on-site study of the geography, history and culture of the European countries. Work in the field is preceded by pre-tour lectures. (Offered yearly at the discretion of the Department.)

490. INDEPENDENT STUDY **1 to 3 hours credit**

A course to provide additional directed study in one or a combination of studio disciplines. Students must furnish their own materials. Recommended for senior undergraduate or graduate credit for a maximum of 6 hours credit. **Prerequisite:** Art 390. Participation by invitation of the Department only.

BIOLOGY

PROFESSORS HEDEEN (Chairman), ESTES, VAN BREEMEN; ASSOCIATE PROFESSOR STANDAERT; ASSISTANT PROFESSORS DIGIOVANNA, RANSBOTTOM, REBACH, SISTRUNK, WINGO, WOMACK; ASSISTANT INSTRUCTOR KUNKLE.

Bachelor of Science requirements for a major in Biology include Biology 111 and 112, plus an additional 27 semester hours in Biology and at least 12 semester hours in related subjects selected with the approval of the department chairman. Related work is chosen from two of the following fields: Chemistry, Mathematics, and Physics.

Biology majors seeking certification for teaching Biology in the secondary schools must meet the additional requirement of the following courses: Education 300, 305, 306, 309, 336, 410, and 432.

111, 112. GENERAL BIOLOGY **4 hours credit each**

A study of the fundamental questions and concepts of biology, from molecules to man. Biology 111 prerequisite for 112. **Three hours lecture and two hours laboratory per week.**

117. FUNDAMENTALS OF MICROBIOLOGY **3 hours credit**

General microbiology, including studies of pathogens, diseases and their control. Includes preparations, methods and procedures. **Two hours lecture and three hours laboratory per week.**

210. PLANT MORPHOLOGY **3 hours credit**

A study of the life cycles and identification of plants, with special emphasis on the bryophytes, ferns, and gymnosperms. **Prerequisites:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

211. GENETICS **3 hours credit**

A study of the principles of heredity, including cellular and molecular genetics. **Prerequisites:** Biology 111 and 112. **Three hours lecture per week.**

212. ECOLOGY **3 hours credit**

The relationships of living things to each other and to the environment. Research and field techniques are introduced. **Prerequisites:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

214. INVERTEBRATE ZOOLOGY **3 hours credit**

A study of animals without backbones including diversification and adaptation of structure and functions. Comparisons of fresh water and marine organisms. **Prerequisites:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

215, 216. HUMAN ANATOMY AND PHYSIOLOGY **3 hours credit each**

A comprehensive study of the structure and function of the human organism. **Prerequisites:** Biology 111 and 112. Biology 215 is prerequisite for Biology 216. **Two hours lecture and three hours laboratory per week.**

217. NUTRITION **3 hours credit**

A foundation in the science of nutrition, including biological and biochemical backgrounds for the understanding of nutritional requirements. **Prerequisites:** Biology 111 and 112. **Three hours lecture per week.**

218. PARASITOLOGY **3 hours credit**

A study of the important parasites of man and domestic animals. **Prerequisites:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

311. MICROBIOLOGY **4 hours credit**

A study of microorganisms, especially bacteria, and including marine organisms. **Prerequisites:** Biology 111 and 112. Biology 117 and 311 may not both be taken for credit. **Two hours lecture and four hours laboratory per week.**

312. PLANT TAXONOMY **3 hours credit**

A course in the classification of plants, with emphasis on the local flora. **Prerequisites:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

313. COMPARATIVE ANATOMY **4 hours credit**

A study of the phylogenetic relationships and concepts of systems of selected vertebrates. **Prerequisites:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

316. GENERAL ENTOMOLOGY **3 hours credit**

A study of the natural history, identification, and life cycles of insects, with special reference to those species of medical and economic importance to man. **Prerequisite:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

320. BIOLOGY OF THE VERTEBRATES **3 hours credit**

A study of the classification and natural history of vetebrate animals. **Prerequisites:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

325. PLANT ANATOMY **4 hours credit**

A study of plant structure, both gross and microscopic, with emphasis on higher plants. **Prerequisites:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

411. VERTEBRATE EMBRYOLOGY **4 hours credit**

A comparative study of the embryology of the vertebrates, including evolutionary relationships and topics in developmental biology. **Prerequisites:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

412. ALGAE AND FUNGI **4 hours credit**

A study of the diversification and adaptation of lower plants, with emphasis on the algae and fungi, including marine forms. **Prerequisites:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

413. HISTOTECHNIQUE **3 hours credit**

A course in the preparation of tissues for microscopy. **Prerequisites:** Biology 111 and 112. **One hour lecture and four hours laboratory per week.**

414. HISTOLOGY **4 hours credit**

Microscopic study of animal tissues with functional interpretation. **Prerequisites:** Biology 111 and 112. **Two hours lecture and four hours laboratory per week.**

415, 416. RESEARCH IN BIOLOGY **3 hours credit each**

Independent study, in which each student conducts his own research project under the supervision of a member of the faculty. **Prerequisites:** Biology 111 and 112 and consent of instructor. **One hour of formal instruction each week and two additional hours to be arranged individually.**

417. HISTORY OF BIOLOGY **1 hour credit**

The history of experimentation and the development of major concepts in the biological sciences. **Prerequisites:** Biology 111 and 112. **One hour lecture per week.**

418, 419. BIOLOGY SEMINAR **1 hour credit each**

Discussions concerning timely topics in biology and related fields. Includes direct student participation and faculty lectures. **Prerequisites:** Biology 111 and 112. **One hour per week.**

422. GENERAL PHYSIOLOGY **3 hours credit**

Encompasses the underlying physical and chemical principles of vital activity. Basic mechanisms are emphasized. The laboratory will include techniques in physiological investigation. **Prerequisites:** Biology 111 and 112 and consent of instructor. **Two hours lecture and three hours laboratory per week.**

423. ELECTRON MICROSCOPY **3 hours credit**

Introduction to the principles and techniques of electron microscopy in biology, including tissue fixation, embedding, ultramicrotomy, microscopy and photography. **Prerequisites:**

Biology 111 and 112 and consent of the instructor. **Two hours lecture and three hours laboratory per week.**

430. PLANT PHYSIOLOGY **4 hours credit**
Advanced study of the physiological relationships of plants, with special reference to higher plants. **Prerequisites:** Biology 111, 112, and eight to sixteen hours of chemistry recommended. **Two hours lecture and four hours laboratory per week.**

435. CYTOLOGY **3 hours credit**
A discussion of the structure and function of the cell and its components. Laboratory work is based on light microscopy and electron microscopy. **Prerequisites:** Biology 111 and 112. **Two hours lecture and three hours laboratory per week.**

BUSINESS ADMINISTRATION

PROFESSORS DURR (Chairman), LEWIS; ASSOCIATE PROFESSORS CHASE, MULLER; ASSISTANT PROFESSORS CORALLINO, HATFIELD, LEE, SCHWEIKART; INSTRUCTOR SPERY; LECTURER HOGG.

Bachelor of Science requirements for a major in Business Administration include satisfactory completion of not less than 30 hours in business courses, including BUAD 201-202, 203, 280, 492 and at least 15 hours of upper division electives in BUAD.

The following courses are also required for the business major, but do not count toward the 30 hours: Economics 201-202, 331, 407, and Mathematics 113.

201. PRINCIPLES OF ACCOUNTING I **3 hours credit**
A survey of current financial accounting principles, recording and financial data, and financial statements for proprietorships, partnerships and corporations. **Three hours per week.**

202. PRINCIPLES OF ACCOUNTING II **3 hours credit**
A survey of current managerial accounting practices, internal auditing information, use of accounting information in solving production and other managerial problems. **Prerequisite:** BUAD 201. **Three hours per week.**

203. ORIENTATION TO BUSINESS MANAGEMENT **3 hours credit**
An inquiry into the problems of organization dynamics and the behavior of people, within and outside the business, with which management must deal in achieving its objectives. **Three hours per week.**

280. COMPUTER TECHNIQUES **3 hours credit**
A study of computer "hardware" and "software," discussing programming and the application of the computer to the modern business scene. The course is designed to give the student the modern business "language." **Three hours per week.**

304. INTERMEDIATE ACCOUNTING I **3 hours credit**
Preparation and analysis of financial statements, accounting theory, valuation of working capital, non-current assets and liabilities, valuation, revenue, and expenses. **Prerequisites:** BUAD 201-202. **Three hours per week.**

305. INTERMEDIATE ACCOUNTING II **3 hours credit**
A study of the financial structure of corporations, including the formation and continuation of operations with emphasis placed on the analysis and interpretation of accounting data. **Prerequisites:** BUAD 201, 202 and 304. **Three hours per week.**

307. AUDITING **3 hours credit**
Duties and responsibilities of auditors, methods of verification of balance sheets, and income and expense accounts with the applicable principles of internal control. Preparation of working papers, schedules, audit reports and certificates. **Prerequisites:** BUAD 201 and 202. **Three hours per week.**

311. FINANCIAL MANAGEMENT **3 hours credit**
An examination of the skills necessary for the manipulation, use and control of funds within the business setting. A study of the functions of the finance manager, i.e., an evaluation of alternative uses of funds and the procurement of funds. **Prerequisites:** BUAD 201, 202, and 203. **Three hours per week.**

313. PERSONAL FINANCE **3 hours credit**
A study of the problems involved in the financial planning and practices of the individual. Topics covered include life and casualty insurance, selection and control of small loans, individual income tax returns, balancing a checking account, saving and investment plans, social security, retirement, and wills. **Three hours per week.**

320. PRINCIPLES OF MANAGEMENT **3 hours credit**
General nature and functions of organization and management in American business with analysis of underlying trends. **Prerequisites:** BUAD 201, 202, 203; Economics 201-202; and Mathematics 113. **Three hours per week.**

326. INDUSTRIAL MANAGEMENT **3 hours credit**
Introduction to operating function in business through study of product planning, equipment planning, facilities planning, process analysis, and inventory control. Above aspects viewed from the point of management; emphasis on economics of operating problems. **Prerequisite:** BUAD 320. **Three hours per week.**

328. SMALL BUSINESS MANAGEMENT **3 hours credit**

A study of practices and policies contributing to the profitable operation of small business under competitive economic conditions. **Three hours per week.**

330. PRINCIPLES OF MARKETING **3 hours credit**

Study of consumers organization and operation of marketing functions within the individual firm; consideration of product policy, channels of distribution advertising and sales promotion, personal selling and pricing. Administration of the total marketing program. **Prerequisites:** BUAD 203; Economics 201-202. **Three hours per week.**

341. FEDERAL INCOME TAX ACCOUNTING: PERSONAL **3 hours credit**

Individual preparation of income tax returns from accounts of an individual, exclusion and inclusion for gross income, capital gains and losses, business expenses and other deductions. **Prerequisite:** BUAD 201 strongly recommended. **Three hours per week.**

342. FEDERAL INCOME TAX ACCOUNTING: PARTNERSHIP AND CORPORATION **3 hours credit**

Continuation of BUAD 341, including preparation of income tax returns from accounts of partnerships, estates and trusts, incorporations. **Three hours per week.**

343. PRINCIPLES OF REAL ESTATE I **3 hours credit**

A discussion of the impact on society of the real estate industry and a study of property rights, instruments and methods of transference. **Prerequisite:** BUAD 203 recommended. **Three hours per week.**

344. PRINCIPLES OF REAL ESTATE II **3 hours credit**

A study of financing real estate transactions, mortgages and the interest rate; the business of real estate brokerage and property management; property evaluation (appraisal) and real estate development. **Prerequisite:** BUAD 343. **Three hours per week.**

347. BUSINESS LAW I **3 hours credit**

A study of the nature of contract and agency relationships and how they pertain to business associations, negotiable instruments and financing. Emphasis is upon the principles, rules, logic, and purpose of law. **Three hours per week.**

348. BUSINESS LAW II **3 hours credit**

A continuation of BUAD 347. Bankruptcies, commercial paper, property, sales, business organizations, security acts, anti-trusts and accountant's liability are some topics discussed. This course stresses topics commonly found on the uniform CPA exam. **Prerequisite:** BUAD 347. **Three hours per week.**

401. COST ACCOUNTING **3 hours credit**

The three widely used systems of accounting: process cost, job order costs, and standard costs. **Prerequisites:** BUAD 201-202. **Three hours per week.**

403. ADVANCED ACCOUNTING **3 hours credit**

Interpretation and analysis of accounting theory and practice as applied to business organizations. Evaluations of assets, liabilities, and determination of income considering current tax practice and procedures. **Prerequisites:** BUAD 304 and 307. **Three hours per week.**

411. PRINCIPLES OF INVESTMENT AND SECURITY ANALYSIS **3 hours credit**

A study of financial problems of business concerns. Instruments and institutions significant for financial management are studied, including value of stocks and bonds, safety, income and marketability. **Prerequisites:** BUAD 201-202, 203; Economics 201-202, 331. **Three hours per week.**

425. BUSINESS POLICY **3 hours credit**

Decision-making processes characteristic of the upper-echelon administrative point of view. Relevant theory and appropriate case studies will be discussed. Attention will be focused on the qualitative distinction between tactical and strategic organizational decisions and policy decisions. **Prerequisite:** BUAD 320. **Three hours per week.**

426. ORGANIZATIONAL CHANGE AND DEVELOPMENT **3 hours credit**

This course presents research in the area of group dynamics and salient theory relating to organizational change and development. Primary focus will be on analysis of strategies of planned, proactive organizational change. Additional emphasis will be placed on the behavioral transaction between the individual and the organization and upon the interface between the organization and its systemic environment. **Prerequisite:** BUAD 320. **Three hours per week.**

427. PERSONNEL MANAGEMENT **3 hours credit**

Solving the actual problems in organization of the personnel function: recruitment, selection development and compensation of personnel, labor union relations, and development of personnel policy. **Prerequisite:** BUAD 320 or permission of instructor. **Three hours per week.**

430. MARKETING MANAGEMENT **3 hours credit**

An analysis approach to the study of marketing problems of business firms. Attention is focused on the influence of the market place, the industry structure, and the role of government. **Prerequisite:** BUAD 330. **Three hours per week.**

490. INTERNSHIP **1 to 6 hours credit**

A work experience in business or government that will provide the student the opportunity to put to use his acquired knowledge in the laboratory of a functioning organization. **Prerequisites:** Junior-Senior standing, BUAD or Economics major, and approval of the director.

492. CONTEMPORARY BUSINESS PROBLEMS **3 hours credit**

A seminar designed to test the ability of the student to formulate business decisions. Emphasis is on relating the appropriate marketing, financial, and production information available to management. **Prerequisite:** nine hours of upper-level BUAD credits or permission of the instructor. **Three hours per week.**

CHEMISTRY

(See Physical Sciences — Page 137)

COMMUNICATION ARTS

ASSOCIATE PROFESSOR WESLEY (Chairman); PROFESSOR STARNES; ASSOCIATE PROFESSOR WILKERSON; INSTRUCTORS CLEMENS, CLOYD, SORENSEN.

The Department offers programs of study in several distinct areas: Communication and Public Address, Broadcasting, Oral Interpretation, Speech Education, and Theatre Arts. The student can either pursue a program leading toward a basic understanding of human discourse in its various forms, or he can concentrate in a single area providing a strength of specialization.

Bachelor of Arts requirements for a major in Communication Arts include satisfactory completion of not less than twenty-seven semester hours in Communication Arts, plus two collateral areas of twelve hours each in other academic disciplines supportive of the student's area of concentration. Ordinarily, six hours in each collateral discipline will be taken at the junior-senior (300-400) level. Required courses in Communication Arts include the following: 100, 120, 201, 225, 230, (and 410 if planning to teach).

Students seeking certification in secondary education will substitute in place of the two collateral areas twenty-four semester hours in English: 101, 102, 201 or 202, 205 or 206, 207 or 208, 121 or 211 or 404, 316 or 415, 422 or 423. In addition, teacher certification requirements include courses in Education. See Department of Education regulations.

Students pursuing a program in Communication Arts are required to obtain a grade of "C" or better for all courses included in the major. Transfer students entering the program must elect a minimum of

twelve credit hours in Communication Arts at Salisbury State College.

100. FUNDAMENTALS OF SPEECH **3 hours credit**

Exercises in methods of research, in the selection and organization of materials, and in the process of oral communication. **Three hours per week.**

115. STAGECRAFT **3 hours credit**

Practical experience in technical theatre including set design, construction and lighting. Laboratory experiences. **Three hours per week.**

120. INTRODUCTION TO THEATRE **3 hours credit**

An introduction to theatre as a unified art with emphasis upon the literary and social significance of theatre in our society. **Three hours per week.**

125. THEATRE PRACTICUM **1 hour credit**

Provides supervised practical experience in the field of theatrical production. The student may work in the technical area of his choice, e.g., set construction, costume construction, lighting design, character makeup. May be elected 4 times for credit either in conjunction with or subsequent to the following courses in Communication Arts: 115, 212, 213, 215, or 304. Meetings arranged.

201. ELEMENTS OF VOICE AND DICTION **3 hours credit**

Study of the fundamentals of voice production and articulation. Designed to establish good habits of speech through analysis of each student's voice, articulation, and pronunciation, with directed exercises for improvement. **Three hours per week.**

205. INTERPERSONAL COMMUNICATION **3 hours credit**

A study of the factors that motivate and determine communication or non-communication among individuals, of the psychological barriers and inducements to open communication, and the effects of these factors upon the persons involved. **Three hours per week.**

212. SCENE DESIGN FOR THE THEATRE **3 hours credit**

Emphasis will be placed on developing the student's ability to perceive and execute scenic designs through script analysis and projects in creative design. Especially appropriate for persons interested in high school or community theatre. **Three hours per week.**

213. COSTUME DESIGN FOR THE THEATRE **3 hours credit**

Emphasis will be placed on character analysis and interpretation. The student will develop a working ability to translate these interpretations into costume designs. Especially appropriate for persons interested in high school or community theatre. **Three hours per week.**

215. ACTING **3 hours credit**

A study of the theory and basic principles of the creative process of acting with an emphasis on physical, mental, and emotional process in the building of a dramatic character. **Prerequisite:** Consent of instructor. **Three hours per week.**

218. THEATRE IN ACTION **6 hours credit**

Students admitted to the course will make up the performance and production staffs of a small laboratory theatre group which will perform a major work of the musical theatre. Each student will elect an emphasis in one area of theatrical production and will be required to assume responsibilities in that area during the period of the first session of the summer. **Prerequisites:** Audition and permission of the instructor.

225. ORAL INTERPRETATION OF LITERATURE **3 hours credit**

An approach to the study of literature through the medium of oral performance. May be counted as an English elective for students majoring in English. **Three hours per week.**

230. THE MASS MEDIA AND SOCIETY **3 hours credit**

A critical inquiry into the persuasive elements generated through the mass media, and the resulting influence the media exerts upon the society it serves. **Three hours per week.**

235. INTRODUCTION TO RADIO AND TELEVISION BROADCASTING **3 hours credit**

History of broadcasting, its commercial, public, and international forms; broadcasting and society; arts and skills of broadcasting-announcing, newscasting, sportscasting, programming, writing, etc. **Three hours per week.**

237. RADIO PRODUCTION **3 hours credit**

Study and practice in all phases of radio production and equipment operation; study of legal and professional requirements for radio broadcasters. **Prerequisite:** Communication Arts 235 or consent of instructor. **Three hours per week.**

240. NONVERBAL COMMUNICATION **3 hours credit**

An approach to the behaviors and contexts which convey meanings nonverbally. It encourages more effective and adaptive behaviors in the (nonverbal) communication processes. **Three hours per week.**

300. THE ELEMENTS OF FILM MAKING **3 hours credit**

As a member of a production team, the student participates in the making of a story film, practicing the principles of pictorial continuity: the shot, the sequence, editing, acting, and directing. **Prerequisite:** Consent of the instructor; 500 feet of super — 8 MM. film to be supplied by the student. **Three hours per week.**

304. DIRECTING **3 hours credit**

A study of the theory and basic principles, skills, and techniques underlying direction. Student directed theatre production required. **Prerequisite:** Consent of instructor. **Three hours per week.**

310. DYNAMICS OF GROUP DISCUSSION **3 hours credit**

A study of the problems of adjustment, communication and collaborative action in small face-to-face groups. **Three hours per week.**

325. ADVANCED ORAL INTERPRETATION **3 hours credit**

Application of the principles of oral interpretation to the study of the various types of literature: prose, poetry, and the drama. **Prerequisite:** Communication Arts 225 or consent of instructor. **Three hours per week.**

335. CREATIVITY AND CONSCIOUSNESS IN COMMUNICATION **3 hours credit**

Study of the creative process of speech activity and its interaction with thought and behavior: special attention to the ways verbal habits influence our conceptions of reality. **Prerequisite:** Communication Arts 205, Interpersonal Communication, is recommended. **Three hours per week.**

350. STUDIES IN THE COMMUNICATION ARTS **3 hours credit**

A study in speech education, mass media, theatre, oral interpretation, or rhetoric and public address. The topic will vary from semester to semester. May be taken twice for credit. **Three hours per week.**

403. CREATIVE DRAMATICS IN ELEMENTARY EDUCATION **3 hours credit**

Emphasis is centered upon the manner in which creative dramatics assists in the growth of the child. The course considers creative dramatics as a motivating factor in the teaching and learning process. **Three hours per week.**

404. PROBLEMS IN EDUCATION THEATRE **3 hours credit**

To assist teachers who are, or expect to be, supervising dramatic activities in secondary schools with such problems as choice of literature, casting, directing, organization of student help, and inexpensive methods of production. **Prerequisite:** Communication Arts 304 or consent of instructor. **Three hours per week.**

406. TECHNIQUES OF CHILDREN'S THEATRE **3 hours credit**

Designed to assist the elementary school teacher in developing the imagination of children through the medium of theatre. Emphasis is upon staging children's theatre within the framework of the public school. **Three hours per week.**

410. SPEECH CORRECTION AND THE CLASSROOM TEACHER **3 hours credit**

A study of childhood speech and hearing disorders and methods for the classroom teacher in effectively dealing with student referral, the promotion of good speech habits, and therapeutic reinforcement. **Three hours per week.**

420. INDEPENDENT STUDY **1 — 3 hours credit**

The student may choose a specific area for investigation under the general supervision of an instructor of his choice. Credit is variable. Tentative credit is determined at time of registration by the instructor in charge of the study project. May be taken twice for credit. **Prerequisite:** Consent of instructor. **Hours arranged.**

ECONOMICS

PROFESSORS DURR (Chairman), LEWIS; ASSOCIATE PROFESSORS CHASE, MULLER; ASSISTANT PROFESSORS CORALLINO, HATFIELD, LEE, SCHWEIKART; INSTRUCTOR SPERY; LECTURER HOGG.

Bachelor of Arts requirements for a major in Economics include Economics 201, 202, 305, 331, 492 plus fifteen semester hours of upper division electives in Economics (BUAD 201-202 may be used to fulfill 6 hours of this requirement). Twelve hours in a foreign language are required.

Bachelor of Science requirements for a major in Economics include Economics 201, 202, 305, 331, 492 plus fifteen semester hours of upper division electives in Economics. Also required are 15 hours* to be chosen from the following: (a) 3-6 hours in computers, (b) 3-9 hours in Mathematics, (c) 6-9 hours in Social Sciences and humanities.

*** These hours will be chosen with the permission of the department.**

201, 202. PRINCIPLES **3 hours credit each**

A general analysis of the economic system, considering basic concepts and principles in the first semester and modern problems of the economic system in the second. **Prerequisite:** Sophomore standing or consent of instructor. **Three hours per week.**

300. ECONOMIC HISTORY OF THE UNITED STATES **3 hours credit**

A study of the major developments in the American economy from the founding of colonies to the present day, with emphasis on the economic factors contributing to American industrial growth. **Prerequisites:** History 201, 202. **Three hours per week.**

305. INTERMEDIATE MACRO-THEORY **3 hours credit**

A study of the theory of economic aggregates through the use of

national income accounts to determine the effect of certain key variables on employment and production. Key variables to be studied include savings and investment, the quantity of money, the velocity of money, the rate of interest and consumption. **Prerequisites:** Economics 201, 202. **Three hours per week.**

306. INTERMEDIATE MICRO-THEORY **3 hours credit**

A study of supply and demand relationships under the various market classifications. Major topics to be covered include the market forms, the principles of production, costs of production, resource allocation and income distribution with some discussion of welfare economics. **Prerequisites:** Economics 201, 202. **Three hours per week.**

317. URBAN ECONOMICS **3 hours credit**

The application of economics to the urban environment with emphasis on city finance, urban transportation, distribution, land use, and the urban economic base. **Prerequisites:** Economics 201, 202. **Three hours per week.**

331. MONEY AND BANKING **3 hours credit**

A study of financial institutions, economic aspects of commercial banking, monetary economics, and banking and fiscal policy. **Prerequisites:** Economics 201, 202. **Three hours per week.**

336. PUBLIC FINANCE **3 hours credit**

A study of the principles, techniques, and effects of obtaining and spending funds by governments, and the management of governmental debt. Taxes and expenditures of all levels of government in the United States are considered. **Prerequisite:** Economics 201. **Three hours per week.**

381. LABOR ECONOMICS **3 hours credit**

Background and development of the labor movement, including current practices in industrial relation, collective bargaining, government and labor relations. **Prerequisites:** Economics 201, 202. **Three hours per week.**

401. ECONOMIC THOUGHT **3 hours credit**

A survey of main trends in economic thought, showing their relation to current economic and social problems, with emphasis on readings from selected economists. **Prerequisites:** Economics 201, 202. **Three hours per week.**

402. COMPARATIVE ECONOMIC SYSTEMS **3 hours credit**

A comparative study of contempory economic systems in capitalist, socialist and communist societies. **Prerequisites:** Economics 201, 202. **Three hours per week.**

407. MANAGERIAL ECONOMICS **3 hours credit**

The systematic study of how resources should be allocated in a

particular productive enterprise through purposive decisions made by managers of the enterprise. **Prerequisites:** Economics 201, 202 and 331; BUAD 201, 202; and Math 113. **Three hours per week.**

411. ECONOMIC DEVELOPMENT **3 hours credit**

A study of the theory of economic development and its application to the underdeveloped regions and countries of the world. Emphasis is placed on the technological, locational and financial aspects of economic growth. **Prerequisites:** Economics 201, 202. **Three hours per week.**

441. INTERNATIONAL ECONOMICS **3 hours credit**

A study of the basic theory and major institutions of international economic relations; international trade and finance; barriers to trade and trade agreements, foreign investment; and foreign economic policy. **Prerequisites:** Economics 201, 202. **Three hours per week.**

451. THE AMERICAN ECONOMY **3 hours credit**

Analysis of the American economic structure with emphasis on factors affecting its growth and stability. (Not open to students with credit in Economics 201 or its equivalent.) **Three hours per week.**

452. PROBLEMS IN AMERICAN ECONOMIC LIFE **3 hours credit**

A workshop emphasizing practical economic issues to assist the average citizen in understanding and dealing with common problems of an economic nature, showing working relationships between citizen, consumer and institutions in American economic life. **Three hours per week.**

492. SENIOR SEMINAR IN CONTEMPORARY ECONOMIC PROBLEMS **3 hours credit**

A research seminar for Economics majors where the student will spend the semester researching a problem of his own choosing and present a seminar paper. The seminar will also discuss the major problems facing the American and world economy. **Prerequisite:** Economics major or consent of instructor. **Three hours per week.**

494. INDEPENDENT STUDY **3 hours credit**

Supervised study in an area of interest to the advanced student. **Prerequisite:** Junior or Senior standing in Economics or Business Administration.

495. ECONOMICS OF POVERTY **3 hours credit**

This course is designed as interdisciplinary to better meet the needs of majors in Economics, Education and Sociology. The course analyzes the various aspects or causes of poverty in conjunction with alternative "solutions" to minimize the problem with or without impinging on other social or economic goals. **Prerequisite:** Economics 201 or permission of the instructor. **Three hours per week.**

496. RADICAL READINGS IN ECONOMICS AND RELATED SOCIAL SCIENCES **3 hours credit**

Selected readings designed to acquaint the student with past and current radical issues in economics and related social sciences. **Prerequisite:** Junior or Senior standing in one of the social sciences or consent of instructor.

EDUCATION

PROFESSOR MASUCCI (Chairman); ASSOCIATE PROFESSORS BOZMAN (Associate Chairman), CONSTANTINE (Director of Field Experiences); PROFESSORS CHAPMAN, M. FLEMING; ASSOIATE PROFESSORS ANDERSON, BRONSTEIN, GARIGLIANO, TOWNSEND, TYLER, WULFF; ASSISTANT PROFESSORS MOON, R. SMITH, WALKER; INSTRUCTORS ROSSI, WALL.

I. General Education Requirements for Elementary Education Majors

The General Education Requirements for an Elementary Education Major have been combined within the guidelines of the following four groups. These requirements are usually met during the first two years and are prerequisites to the Professional Program.

Group I-21 hours		Group III - 20 hours	
English 101	3	Biology 111	4
English 102	3	Biology 112	4
English literature	3	Physical Science 101 or 105	3
English (any)	3	Math 103	3
Art 200	3	Math 104, Math 113, or other	3
Music 200	3	*Natural Science electives (Any science or physical geography)	3
Speech 100	3		
Group II - 15 hours		**Group IV-4 hours**	
History 101	3		
History 102	3	Health	2
Psychology 210	3	Phys. Ed. (two activity courses)	1, 1
History 201 or 202	3		
*Geography 100, 101, any human geography, or any social science elective	3		

II. Foundation of Education Requirements

All Elementary Education majors are required to take six hours in Foundations of Education. Courses which satisfy this requirement are Education 300 and Education 305 which can be taken prior to

*** At least one geography course must be completed in either Group II or Group III.**

admission to the Professional Program. In addition, electives Education 301, 307 and 309 may be taken.

III. Professional Program

A student is eligible for the Professional Program when he has successfully completed 60 hours of General Education for Elementary Education majors as outlined in Step 1.

Applications for admission to the Professional Program may be secured from the faculty advisor or from the Education Office. Applications are usually filed at the end of the Sophomore year or at the beginning of the Junior year.

IV. Professional Methods Requirements

To be eligible for student teaching all Elementary Education majors must complete the following required 12 hours in Education: 310, 311, 312, and 316.

V. Student Teaching

Upon successful completion of steps 1-4, a student is eligible for student teaching. The student teaching semester represents a 15 hour block of courses: Education 401, 402, and 411. Applications may be secured from his faculty advisor or from the Education Office the semester prior to student teaching.

VI. Electives

In addition to the listed requirements (steps 1-5), a student needs a minimum of 27 hours in electives to complete a B.S. degree in Elementary Education. These electives may be taken throughout the four year experience.

VII. Graduation

A student must successfully complete 120 hours of "C" or better and the requirements of this program to receive a Bachelor of Science degree in Elementary Education and qualify for a Maryland State Department Teaching Certificate.

Students desiring the B.A. degree in Elementary Education must fulfill the requirements listed above and also complete twelve semester hours in a foreign language and the requirements for a major in one of the academic disciplines.

Students seeking certification for teaching in the secondary schools must select a major in one of the academic disciplines and meet the requirements prescribed by that Department for its majors. These students must also take the following courses in Education: 300, 305, 306, 410, 432, and one of the following: Education 331, 333, 334, 335, 336, 337, or 338. In addition, Education 422 is required of all English and Social Studies Secondary Education majors.

300. DEVELOPMENT AND LEARNING **3 hours credit**

Physical, intellectual, emotional and social development from infancy through adolescence are considered. Attention is given to child development, motivation and learning with applications to educational situations. **Prerequisite:** Psychology 210. **Three hours per week.**

301. ROLES OF THE TEACHER **3 hours credit**

A study of various functions and classroom structure appropriate to teaching in the elementary and secondary school, with emphasis on instructional models and their implementation and their implications for student learning. **Prerequisite:** Education 300 or permission of the instructor; Education 300 may be taken concurrently. **Three hours per week.**

305. THE SCHOOL IN SOCIETY **3 hours credit**

An historical, sociological and philosophical approach to the role of the school in society. Consideration is given to the entire K-12 program including special emphasis on organization and administration in Maryland. **Three hours per week.**

306. PRINCIPLES OF SECONDARY EDUCATION **3 hours credit**

The basic principles of teaching in the secondary school. The course deals with the objectives and curriculum of the secondary school, with the focus on such topics as planning, organizing content, developing methods and procedures for teaching, establishing classroom management procedures and grading, evaluating and reporting practices. **Three hours per week.**

307. AUDIO-VISUAL MATERIALS AND METHODS **3 hours credit**

The philosophy underlying the use of instructional media in modern classroom procedures. Methods in using audiovisual materials in elementary and high school curriculum are developed in weekly laboratory sessions. **Three hours per week.**

309. PRETEACHING PUBLIC SCHOOL EXPERIENCE **1 hour credit**

A course designed to acquaint students preparing to teach with elementary or secondary school experience. Students are assigned to schools to observe classes and participate in the teaching-learning act. Pass/No Credit basis only. (Students register for course in the semester following completion of the experience.)

310. ELEMENTARY SCHOOL COMMUNICATION ARTS METHODS **3 hours credit**

An introduction to the processes of communication (speaking, writing, listening, and reading) which incorporates theory and modern research along with specific methods which can be used to promote growth in these areas by elementary school children. **Three hours per week.**

311. ELEMENTARY SCHOOL MATHEMATICS METHODS **3 hours credit**

The selection, organization and method of use of appropriate mathematics curricula for the various grade levels in achieving the

aim of the elementary school. Manipulation of current school mathematics materials is stressed. School visits will be arranged. **Three hours per week.**

312. ELEMENTARY SCHOOL SCIENCE METHODS **3 hours credit**

The selection, organization and method of use of appropriate science materials for the elementary school. An exploration of existing science curricula and the teaching methods required to effectively implement them. Principles of child development, psychology and the goals of science education will be utilized to relate science curricula and methods to children in the overall elementary program. **Three hours per week.**

316. ELEMENTARY SCHOOL READING METHODS **3 hours credit**

An introduction to the teaching of reading in the elementary school, designed for undergraduates planning careers in elementary education. Through lectures, demonstrations, audio and visual tapes, films, and field experiences — students are involved in the following content: reading readiness programs, initial reading instruction, analyzing various reading programs, word recognition skills, vocabulary improvement, comprehension development, planning reading lessons, informal diagnosis, and the development of study skills. **Three hours per week.**

331. PHYSICAL EDUCATION IN THE SECONDARY SCHOOL **3 hours credit**

Analysis of the secondary school program in physical education, with emphasis on curriculum planning, use of space, facilities and equipment, class management, and lesson planning. **Three hours per week.**

332. METHODS AND MATERIALS OF TEACHING ART IN THE SECONDARY SCHOOL **3 hours credit**

To prepare art concentrates for the teaching and administration of art programs on the secondary level and for careers as art consultants and art supervisors. **Prerequisites:** twenty four hours of art and at least a second semester junior. **Three hours per week.** *Fall semester only.*

333. ENGLISH IN THE SECONDARY SCHOOL **3 hours credit**

A study of materials and methods for teaching language arts in the high school. Various models and strategies in teaching language arts — language, literature and media at this level are demonstrated and analyzed. **Three hours per week.** *Fall semester only.*

334. SOCIAL STUDIES IN THE SECONDARY SCHOOL **3 hours credit**

Analysis of the secondary school program in social studies; emphasis on methods of teaching history, geography, and citizenship. Current curriculum trends are considered. **Three hours per week.** *Fall semester only.*

335. MATHEMATICS IN THE SECONDARY SCHOOL **3 hours credit**

Analysis of the secondary school program in mathematics; emphasis on methods of teaching mathematical concepts and understandings. Organization of teaching units, observation and evaluation of teaching in particular situations. **Three hours per week.** *Fall semester only.*

336. SCIENCE TEACHING IN THE SECONDARY SCHOOL **3 hours credit**

An analysis of secondary school science teaching methods, materials and existing programs. Curricula and materials for the middle school and senior high school levels are investigated by the student in Biology, Chemistry, Earth Science, General Science, Physical Science, and Physics. **Three hours per week.** *Spring semester only.*

337. FOREIGN LANGUAGE IN THE SECONDARY SCHOOL **3 hours credit**

An understanding of the philosophy, aims and methods of teaching foreign language in the secondary school with emphasis upon the techniques and materials in current use. **Three hours per week.** *Fall semester only.*

338. SPEECH IN THE SECONDARY SCHOOL **3 hours credit**

A study of the aims and methods of teaching speech in the secondary school. Consideration of textbooks and materials, as well as the organization of and participation in extra-curricular activities in Speech. **Three hours per week.** *Spring semester only.*

401, 402. DIRECTED TEACHING IN ELEMENTARY SCHOOL **6 hours credit each**

Students are placed in directed teaching centers in nearby public elementary schools. They observe teaching, participate in work with children, teach, and participate in activities for which regularly employed teachers are responsible. Pass/No Credit basis only.

403, 404. DIRECTED TEACHING IN PHYSICAL EDUCATION **4 hours credit each**

Directed student teaching experience in nearby public schools under the direction of the public school teacher and with supervision from the college staff. Four weeks in elementary Physical Education teaching and four weeks in secondary teaching, to qualify for certification in all twelve grades. Students wishing certification at the secondary level only or at the elementary level only may request assignment at the desired level for all eight weeks. Pass/No Credit basis only.

405. THE LAW AND PUBLIC EDUCATION **3 hours credit**

A study of school law which affects the teacher and the public school. The nature and scope of school law are considered as generally applied to the purposes and functions of the school system. **Three hours per week.**

406. PHILOSOPHY OF EDUCATION **3 hours credit**

A study of major philosophies and their influence upon the development of educational thought. Students are encouraged to identify and develop a personal philosophy of education. **Three hours per week.**

407. APPLIED AUDIO-VISUAL METHODS IN TEACHING **3 hours credit**

The special application of audio-visual methods in reaching lesson objectives. A study of research in teaching with audio-visual methods is explored and related to the application at hand. **Prerequisite:** Education 307 or permission of instructor. **Three hours per week.**

408. CHILDREN'S LITERATURE **3 hours credit**

A study of the works of important writers and artists in each of the major types of children's books (fairy tales, picture books, realistic fiction, fantasies, biographies, etc.) Historical trends and methods of incorporating children's literature into the elementary program are included. **Three hours per week.**

409. LITERATURE FOR ADOLESCENTS **3 hours credit**

A study of literature written specifically for and about the contemporary adolescent with emphasis on methods of teaching aspects of it to build adolescent appreciation for the more established literary selections found in secondary school curriculum. **Prerequisite:** At least three courses in literature beyond English 102 are recommended or permission of the instructor. **Three hours per week.**

410. DIRECTED TEACHING IN SECONDARY SCHOOL **7 hours credit**

Students preparing to teach in the secondary school (grades 7-12) are placed in directed teaching centers in nearby public schools for seven weeks. This placement is for the last half of the semester after having completed the required block courses (Education 306, 432, and a special methods course). Under the guidance of a cooperating teacher and a college supervisor they observe, work with students, teach and participate in all activities for which regularly employed teachers are responsible. **Prerequisites:** Completion of Education 300, 305, 306, 432, a special methods course in their discipline and Senior status. Pass/No Credit basis only.

411. INSTRUCTIONAL ANALYSIS IN THE ELEMENTARY SCHOOL **3 hours credit**

Seminar approach to current practices and trends in teaching. In-

volves interaction analysis, evaluative techniques, instructional planning and role playing. (Scheduled during the student teaching semester.)

412. CURRICULUM AND METHODS IN ELEMENTARY SCHOOL PHYSICAL EDUCATION **3 hours credit**

Principles of curriculum construction, selection and organization of materials. Lesson planning and teaching methods. Survey of current trends. **Prerequisite:** Admission to Professional Education Program. **Three hours per week.**

413. TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL **3 hours credit**

Selection, organization, presentation, and evaluation of social studies material in the elementary school. Consideration of recent theory and method in improving teaching of the social studies. **Three hours per week.**

417. TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL **3 hours credit**

Developing and demonstrating practical methods of teaching language skills in the elementary school. Emphasis is on creative, inductive, modern techniques. **Three hours per week.**

418. TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL **3 hours credit**

Selection, organization, presentation and evaluation of mathematics materials in the elementary school classroom. Emphasis on recent research in teaching and adapting programs of the new mathematics. **Three hours per week.**

419. TEACHING MUSIC IN THE ELEMENTARY SCHOOL **3 hours credit**

Techniques for teaching music in the elementary school; study of the child voice; appropriate singing, listening, rhythmic, instrumental and creative activities; remedial work for poor singers, activities for musically talented children; comprehensive overview of music materials and their application to the elementary school curriculum. **Prerequisite:** Music 200, Fundamentals (or equivalent, or approval of instructor). **Three hours per week.**

420. FOUNDATIONS OF READING INSTRUCTION **3 hours credit**

Developmental reading instruction intended for inservice teachers, supervisors and administrators. Lectures and demonstrations survey instructional goals, directed reading activities, word recognition and comprehension. **Three hours per week.**

421. THE TEACHING OF READING VOCABULARY **3 hours credit**

Identification, diagnosis and remediation of vocabulary problems in reading. Recommended for teachers, supervisors, and administrators. Lectures and demonstrations deal with two basic areas of vocabulary growth: (1) concept development, and (2) word recognition with careful attention to the teaching of phonics. **Three hours per week.**

422. READING IN THE SECONDARY SCHOOLS **3 hours credit**

Development and evaluation of effective reading skills and habits, especially in the subject content fields, and consideration of problems of content, organization, readability, and method in teaching reading at higher levels. **Three hours per week.**

423. DIRECTED STUDENT TEACHING IN ART ON THE SECONDARY LEVEL **7 hours credit**

Students are placed in directed teaching centers in nearby secondary schools. They observe teaching, participate in work with students, teach and participate in activities for which regularly employed teachers are responsible. Pass/No Credit, basis only. **Prerequisite:** at least twenty-seven hours of art (including Education 330).

425. ENGLISH CURRICULUM **3 hours credit**

Identifies problems and objectives in developing and organizing English curriculum materials; analyzes and evaluates a variety of curriculum guides and experimental programs. **Three hours per week.**

427. READING DISABILITIES **3 hours credit**

Designed to study the analysis and correction of common reading disabilities. Includes points of view regarding retardation and factors underlying the causes of reading difficulties. **Three hours per week.**

429. TEACHING MUSIC IN THE SECONDARY SCHOOL **3 hours credit**

Methods and materials of music teaching in grades 7-12. The areas of emphasis are vocal, instrumental, and general music. **Prerequisite:** Music 200. **Three hours per week.**

430. DIRECTED TEACHING IN MUSIC IN ELEMENTARY SCHOOL **6 hours credit**

Student teaching experience in all aspects of the elementary school music curriculum at several grade levels under the direction of a public school music teacher, with supervision from the college staff. Includes observation and participation in the classroom as well as actual teaching and other activities and duties normally performed. **Prerequisites:** completion of courses in the music concentration through the third year, Education 419, and 429, and written approval of the Music Department.

431. DIRECTED TEACHING IN MUSIC IN THE SECONDARY SCHOOL **6 hours credit**

Student teaching experience in all aspects of the secondary school music curriculum including the areas of choral, instrumental and general music. Observation, participation, teaching and other activities and duties normally performed by professional teachers done under the direction of public school music teacher(s), with supervision from the college staff. **Prerequisites:** completion of courses in the music concentration through the third year, Education 419 and 429, and written approval of the Music Department.

432. MEASUREMENT AND EVALUATION **3 hours credit**

A study of the purposes and procedures of measuring and evaluating characteristics of students, e.g., achievement, with particular emphasis on classroom decision-making in terms of instructional objectives and teacher-constructed tests. **Three hours per week.**

435. GUIDANCE **3 hours credit**

A basic course in the principles of guidance and related pupil-personnel services for high school teachers, including the meaning and purpose of guidance and common adjustment problems. **Three hours per week.**

436. VOCATIONS: DEVELOPMENT AND APPRAISAL **3 hours credit**

Surveys vocational choice with emphasis on developmental theory. Occupational information and the appraisal of vocational interests are emphasized. **Three hours per week.**

437. MATERIALS AND METHODS IN CAREER EDUCATION **3 hours credit**

Rational for and methods of career education in elementary and secondary schools. Emphasis is given to the identification of psychological and philosophical bases, identification of researchable problems, implications and implementation of careers curricula. **Three hours per week.**

440. SAFETY EDUCATION **3 hours credit**

Contemporary and anticipated accidents in the urban home, on the farm, in industry, recreation, transportation, and at school are explored. Principles and practices for reducing the frequency of accidents are developed. *For certification credit only.* **Three hours per week.**

441. DRIVER AND TRAFFIC SAFETY EDUCATION I **3 hours credit**

Methods of teaching and the administration of high school driver and traffic safety education. The participant must acquire competence in transferring attitudes to students. *For certification credit only.* **Three hours per week.**

442. DRIVER AND TRAFFIC SAFETY EDUCATION II **3 hours credit**

Methods of teaching and the administration of high school driver and traffic safety education. The participant must acquire, through supervised teaching experience, competence in developing and projecting his skills and techniques, as well as transferring necessary knowledge to students. *For certification credit only.* **Three hours per week.**

443. PUPIL TRANSPORTATION **3 hours credit**

Organization and the administration of state, county, and district pupil transportation service with emphasis on safety and economy. *For certification credit only.* **Three hours per week.**

444. THE PUBLIC SCHOOL OF SCHOOL CHILDREN **3 hours credit**

A workshop to consider the problems of school bus transportation, and a review of research in this field. *For certification credit only.* **Three hours per week.**

445. CURRENT PROBLEMS IN TRAFFIC SAFETY **3 hours credit**

An advanced course in traffic safety relating to school and community, including evaluation of criteria for identifying problems and discussion of traffic safety administration. Research projects included. *For certification credit only.* **Prerequisite:** Six hours in safety education or consent of instructor. **Three hours per week.**

446. INTRODUCTION TO EARLY CHILDHOOD EDUCATION **3 hours credit**

An introduction to curriculum and methods in early childhood education, including theories, practices, techniques and materials. **Co-Requisite:** Education 447 (unless exempt by instructor). **Prerequisite:** Admission to Professional Education Program, or 60 semester hours of college credit with teaching experience. **Three hours per week.**

447. EXPERIENCES AND MATERIALS FOR EARLY CHILDHOOD **3 hours credit**

Experiences for development of young children through use of materials and appropriate activities. **Co-Requisite:** Education 446 (unless previously taken). **Three hours per week.**

448. PROBLEMS OF EARLY CHILDHOOD EDUCATION **3 hours credit**

Research findings used as a basis for program planning in infants and toddlers centers, nursery schools, day care centers, kindergartens and primary grades. Current trends and issues are considered. **Prerequisites:** Education 446, 447. **Three hours per week.**

450. SOCIAL STUDIES IN EARLY CHILDHOOD EDUCATION **3 hours credit**

Exploration, use of and evaluation of materials, methods and activities in social studies for young children. **Three hours per week.**

451. MATHEMATICS IN EARLY CHILDHOOD EDUCATION **3 hours credit**

Exploration, use of and evaluation of materials, methods and activities in mathematics for young children. **Three hours per week.**

152. SCIENCE IN EARLY CHILDHOOD EDUCATION **3 hours credit**

A study of the methods and materials used in teaching science at the early childhood level. Experiences are provided in motivation, procedure and evaluation of science lessons. **Prerequisite:** Admission to Professional Education Program. **Three hours per week.**

453. COMMUNICATION ARTS IN EARLY CHILDHOOD EDUCATION **3 hours credit**

Using a developmental approach, stressing enrichment in free and directed play, talking and listening skills and experimental learning, language acquisition of normal and disadvantaged children emphasized. **Prerequisite:** admission to Professional Education Program. **Three hours per week.**

460. METHODS AND CURRICULUM FOR TEACHING THE MENTALLY RETARDED **3 hours credit**

A survey of problems related to the development of teaching methods and curriculum for the retarded including current program adaptions and special methods. **Prerequisite:** admission to Professional Education Program or consent of department chairman, or in-service teacher. **Three hours per week.**

461. SEMINAR: TEACHING THE MENTALLY RETARDED **3 hours credit**

Individual research on problems of teaching the mentally retarded with discussion of techniques and approaches for meeting these problems is the focus of the course. **Prerequisite:** consent of department chairman. **Three hours per week.**

464. TEACHING MATHEMATICS TO THE MENTALLY RETARDED **3 hours credit**

A study of the methods and materials used in teaching mathematics to the mentally retarded with a stress on adaptations of current curriculum materials. **Prerequisite:** Education 311. **Three hours per week.**

470. READINGS IN EDUCATION **3 hours credit**

Selected readings designed to provide in-depth study of an

educational topic approved by the advisor. **Prerequisites:** Senior status and permission of department chairman.

475. METHODS AND MATERIALS IN ENVIRONMENTAL EDUCATION **3 hours credit**

A course designed to increase the individual's awareness of his immediate environment with the aim of developing a broad philosophy of environmental education. Existing teaching methods and materials will be analyzed and new methods will be developed for use in inter-disciplinary problem-focused situations. **Prerequisite:** Senior standing. **Three hours per week.**

480. TEACHING CHILDREN WITH SPECIAL NEEDS **3 hours credit**

Introductory instruction in the observation, identification and management of children, K-3 with mild to moderate learning problems. **Three hours per week.**

490. SPECIAL PROBLEMS AND PRACTICES IN EDUCATION **variable 1-6 hours credit**

Individually designed programs including seminars, workshops, and courses in curriculum development, planning, evaluation, specialized areas of study for purposes of enrichment, in-depth study of special problems and/or professional practices in education. **Prerequisite:** admission to Professional Program or permission of department chairman.

491. INDEPENDENT STUDY **variable 1-3 hours credit**

Designed to permit self-study of problems not considered in other courses. **Prerequisites:** Approval of course instructor and department chairman.

ENGLISH

PROFESSORS NICHOLS (Chairman), ELDERDICE, ENGLER, ERSKINE, F. FLEMING; ASSOCIATE PROGESSORS CALCOTT, TONGUE; ASSISTANT PROFESSORS DEEMER, HAGAR, HORNE, A. SMITH, WELSH, WHALL, ZAK; INSTRUCTOR WHITE.

Bachelor of Arts requirements for a major in English include thirty semester hours of English beyond English 101-102. At least fifteen of those thirty hours must be in literature courses with nine of those fifteen hours in literature courses at the 300-400 level. All English majors must also demonstrate, either through examination or course work, intermediate-level proficiency in a foreign language. The department recommends the following English courses to those majors who plan to attend graduate school: 201 (or 432, 434, and 436), 202 (or 438 and 440), 205, 206, 405, 409, 432, 434, 436, 438, and 440.

Requirements for English majors seeking certification for teaching English in the secondary schools include thirty hours of English in

courses other than English 101-102. The department requires the following English courses for teaching majors: 201 or 202; 205 or 206; 207 or 208; 121 or 211 or 404; 316 or 415; 422 or 423; twelve hours in English electives. The department also recommends the following courses in the department of Communication Arts: 201, 205, 215, 225 and 310. The following courses in Education are required for teaching majors: 300, 305, 306, 309, 333, 410, 422, and 432.

These changes are effective immediately for new majors. Current majors may choose to follow the previous requirements or the new ones.

*Literature courses are indicated by an asterisk.

101. PRINCIPLES OF COMPOSITION **3 hours credit**

A study of the methods of clear, correct, and effective writing. **Three hours per week.**

102. PRINCIPLES OF LITERATURE **3 hours credit**

A study of the principle literary genres, especially as found in contemporary literature. **Prerequisite:** English 101 (unless exempt). **Three hours per week.**

121. AN INTRODUCTION TO FILM **3 hours credit**

An introduction to the artistic potential of the film medium. Basic concepts of organization, structure, and editing techniques will be taken into consideration by means of viewing and discussing a number of short films. Literary and dramatic influences as demonstrated by selected feature films will also be discussed. **Three hours per week.**

201. *ENGLISH LITERATURE I **3 hours credit**

A study of major writers in British literature from the beginning through the 18th century. **Prerequisites:** English 101, 102. **Three hours per week.**

202. *ENGLISH LITERATURE II **3 hours credit**

A study of major writers in British literature from the 19th century to the present. **Prerequisites:** English 101, 102. **Three hours per week.**

205. *AMERICAN LITERATURE TO 1850 **3 hours credit**

A study of major American writers from the colonial period through the American Renaissance. **Prerequisites:** English 101, 102. **Three hours per week.**

206. *AMERICAN LITERATURE SINCE 1850 **3 hours credit**

A study of major American writers from Whitman to the present. **Prerequisites:** English 101, 102. **Three hours per week.**

207. *WORLD LITERATURE I **3 hours credit**

A study of literature of the world other than that of the United

States and England from Homer's time through the sixteenth century. **Prerequisites:** English 101, 102. **Three hours per week.**

208. *WORLD LITERATURE II **3 hours credit**
A continuation of English 207, from the seventeenth century to the present. **Prerequisites:** English 101, 102. **Three hours per week.**

211. INTRODUCTION TO JOURNALISM **3 hours credit**
An introduction to types of journalistic writing in addition to the practical problems of publishing a newspaper. **Prerequisites:** English 101 and 102. **Three hours per week.**

215. TELEVISION AND RADIO WRITING **3 hours credit**
An introduction to the specialized writing practices of television and radio production. **Prerequisite:** English 211. **Three hours per week.**

221. *LITERATURE AND FILM **3 hours credit**
An exploration of the relationship of film to literature as narrative, dramatic, and poetic means of expression. The course examines how literary works (novels, plays, short stories, or poems) can be successfully translated into film. **Prerequisites:** English 101 and 102. **Three hours per week.**

225. INTRODUCTION TO THE STUDY OF LANGUAGE **3 hours credit**
A study of the ways language works and an introduction to the scientific study of language and linguistics. Presupposes no formal study or knowledge of language. **Three hours per week.**

230. IMAGINATIVE WRITING **3 hours credit**
An introduction to the devices and techniques of fiction and poetry through reading, analysis, and directed writing. Students will submit work-in-progress for discussion in class, and will also submit a completed portfolio of poems or stories at the end of the semester. **Prerequisite:** English 102. **Three hours per week.**

300. *STUDIES IN ENGLISH **3 hours credit**
A study of an author, period, movement, genre, or theme. The topic will vary from semester to semester. May be taken for credit twice. **Prerequisites:** English 101 and 102. **Three hours per week.**

321. FILM HISTORY **3 hours credit**
A study of the history of motion pictures with focus upon technical and artistic trends and upon the work of important artists and directors. **Prerequisites:** English 101, 102. **Three hours per week.**

325. STUDIES IN FILM **3 hours credit**
An intensive study of particular artists (mainly directors and screenwriters), movements (both in film making and film criticism

and theory), and specific genres. May be taken for credit twice. **Prerequisite:** English 121 or consent of instructor. **Three hours per week.**

331. *THE SHORT STORY **3 hours credit**
A study of the historical development of the short story, its major characteristics, and its most successful practitioners. **Prerequisite:** English 102. **Three hours per week.**

340. FICTION WORKSHOP **3 hours credit**
An intensive examination of student fiction writing in class and conference. **Prerequisite:** English 230 or consent of instructor. **Three hours per week.**

341. POETRY WORKSHOP **3 hours credit**
An intensive examination of student poetry in class and conference. **Prerequisite:** English 230 or consent of instructor. **Three hours per week.**

342. FILMWRITING WORKSHOP **3 hours credit**
An opportunity to write film scripts and scenarios, using either original material or material adapted from other source. Scripts will include set description, camera movement, acting direction and dialogue, affording a working understanding of the relationship between technical and dramatic resources of the film medium. **Prerequisites:** English 101 and 121. **Three hours per week.**

401. *ENGLISH DRAMA **3 hours credit**
A study of the works of major English dramatists of the Elizabethan period (except Shakespeare), the Restoration, and the eighteenth century. **Prerequisites:** English 101, 102. **Three hours per week.**

402. *MODERN DRAMA **3 hours credit**
A study of the works of European and American dramatists from Ibsen to Pinter. **Prerequisites:** English 101, 102. **Three hours per week.**

405. *SHAKESPEARE **3 hours credit**
A study of the outstanding comedies and histories, and an intensive study of the major tragedies. **Prerequisites:** English 101, 102. **Three hours per week.**

406. *THE AMERICAN NOVEL **3 hours credit**
A study of the work of outstanding American novelists, from Cooper through Dreiser. **Prerequisites:** English 101, 102. **Three hours per week.**

407. *THE MODERN NOVEL **3 hours credit**
A study of selected modern novelists, chiefly American and British, from Anderson and Lewis to Graham Greene and Cary. **Prerequisites:** English 101, 102. **Three hours per week.**

408. *MODERN POETRY **3 hours credit**

A study of the works of selected British and American poets, from Yeats to the present, and of leading poetic tendencies. **Prerequisites:** English 101, 102. **Three hours per week.**

409. LITERARY CRITICISM **3 hours credit**

A study of the effectiveness of literary criticism as a dimension of the study of literature. Both the history and the application of the theory are introduced. **Prerequisite:** Three literature courses beyond English 102. **Three hours per week.**

410. INDEPENDENT STUDY **3 hours credit**

A tutorial course in any area of English. Open to Junior and Senior English majors with superior English grades. Students wishing to take the course should consult with the department chairman during pre-enrollment. One conference weekly. May be taken twice for credit. **Three hours per week.**

415. ADVANCED COMPOSITION **3 hours credit**

A study of the forms and discourse covering the theory and practice of rhetoric, primarily for teachers of writing. **Prerequisites:** English 101, 102. **Three hours per week.**

417. *THE ENGLISH NOVEL I **3 hours credit**

A history of the development of the English novel from its beginnings through the eighteenth century. **Prerequisites:** English 101, 102. **Three hours per week.**

418. *THE ENGLISH NOVEL II **3 hours credit**

A history of the development of the English novel during the nineteenth century. **Prerequisites:** English 101, 102. **Three hours per week.**

422. *A SURVEY OF MODERN GRAMMARS **3 hours credit**

An historical approach to the study of the descriptions of the systems of the language, examining the traditional, the structural, the transformational, and the tagmemic approaches. **Prerequisites:** English 101, 102. **Three hours per week.**

423. *LANGUAGE AND CULTURE **3 hours credit**

A linguistic approach to the study of the history of the language, stressing the evolution of the language from perspectives of dialectology, lexicography, and semantics along with the phonological, morphological, and syntactic change. **Prerequisites:** English 101, 102. **Three hours per week.**

424. *DIALECTOLOGY. **3 hours credit**

Study of speech variation from group to group with reference to geographical areas, socio-economic-education levels, levels of formility, age, sex, and occupation with attention to eastern shore dialects

as they reflect differences; field methods. **Prerequisites:** English 225, 422, or consent of instructor. **Three hours per week.**

432. *CHAUCER AND MIDDLE ENGLISH LITERATURE **3 hours credit**

A study of Chaucer's major works as well as typical works of his period. **Prerequisites:** English 101 and 102. **Three hours per week.**

434. RENAISSANCE LITERATURE **3 hours credit**

A study of the major works of English literature from 1500 to 1660. **Prerequisites:** English 101 and 102. **Three hours per week.**

436. EIGHTEENTH CENTURY LITERATURE **3 hours credit**

A study of English literature from the Restoration through the Neo-classic Age. **Prerequisite:** English 101 and 102. **Three hours per week.**

438. *ROMANTIC LITERATURE **3 hours credit**

A study of the major works of English literature of the Pre-Romantic and Romantic periods. **Prerequisites:** English 101 and 102. **Three hours per week.**

440. *VICTORIAN LITERATURE **3 hours credit**

A study of the major works of English literature during the reign of Queen Victoria. **Prerequisites:** English 101 and 102. **Three hours per week.**

450. *PHILOSOPHICAL CONCEPTS IN LITERATURE **3 hours credit**

An examination of philosophical concepts in literature. The concept to be dealt with will change from offering to offering. **Prerequisites:** English 101, 102, and Philosophy 201. **Three hours per week.**

455. A SURVEY OF WORLD MYTHOLOGY **3 hours credit**

Primitive, oriental, and occidental with emphasis on classical, nordic, and Judeo-Christian myths. Application of principles of myth and folklore criticism to western literature — ancients, classical, medieval, and modern. **Prerequisites:** English 101 and 102. **Three hours per week.**

456. INTRODUCTION TO FOLKLORE AND FOLKLIFE **3 hours credit**

Anglo-American-genres, folklore criticism, folkgroups; non-Anglo folklore; applications — folklore collection in the field, and methods of annotating and archiving. **Prerequisites:** English 101, 102. **Three hours per week.**

FRENCH

(See Modern Languages — Page 111)

GEOGRAPHY

ASSOCIATE PROFESSOR FARACE (Chairman); ASSISTANT PROFESSOR ROSING; INSTRUCTOR THOMAS.

Bachelor of Arts requirements for a major in Geography include Geography 201, 202 and 203 plus twenty-four semester hours of electives in Geography selected with the approval of the departmental advisor. Six semester hours of Mathematics are required, selected with departmental approval from the following: Mathematics 100, 103, 113, 171, 213.

Geography majors seeking certification for teaching in the secondary school must meet the additional requirement of the following courses in Education: 300, 305, 306, 309, 334, 410, 422 and 432.

Geography majors seeking certification for teaching in the elementary school must meet the additional requirement of the following courses in Education: 300, 305, 309, 310, 311, 312, 316, 401, 402 and 411.

Students seeking certification for teaching Earth Science may qualify by taking twenty-four semester hours of physical geography.

Special Programs

The Geography Department encourages the development of a regional or systematic specialty. The college offers several programs which cross traditional department lines and these may be used to develop a specialty within the geography major or as a liberal studies major. Courses are selected from a prescribed list by the student in collaboration with the advisors.

Recommended programs are **European Studies, Latin American Studies, Urban and Rural Studies and Earth Science.**

Human Geography

100. INTRODUCTION TO GEOGRAPHY **3 hours credit**

An introduction to the broad field of geography as it is applicable to the general education student. Emphasis is placed on contemporary world problems of interest to geographers, including man-wrought changes in the natural environment and the implications of such change. **Three hours per week.**

101. WORLD REGIONAL GEOGRAPHY **3 hours credit**

An examination of contemporary patterns of life of selected areas of the world from a regional viewpoint. Emphasis is placed on the physical environment, resource use, economic activities, demographic and sociocultural characteristics, regional formative elements, and spatial interaction. **Three hours per week.**

202. CULTURAL GEOGRAPHY **3 hours credit**

An examination of the basic concepts of cultural geography. Emphasis is placed on such subjects as cultural origins and diffusion, perception, settlement forms and the relationship between man, his culture and the physical environment. **Three hours per week.**

203. ECONOMIC GEOGRAPHY **3 hours credit**

An analysis of the factors and trends in the spatial distribution of economic phenomena. Emphasis is placed on the construction of general principles and theories. **Three hours per week.**

206. REGIONAL GEOGRAPHY OF ANGLO- AMERICA **3 hours credit**

A regional approach to the study of the patterns of life in Canada and the United States. Special attention is given to the physical environment, the resource base and use, economic activities, demographic and sociocultural traits and spatial interaction. **Three hours per week.**

304. REGIONAL GEOGRAPHY OF WESTERN EUROPE **3 hours credit**

A regional study of Western Europe with emphasis on the regional differentiation and complexity of the continent. Special treatment is given to present geopolitical problems of Europe. **Three hours per week.**

308. REGIONAL GEOGRAPHY OF SOUTH AMERICA **3 hours credit**

An analysis of the physical, historical, cultural and economic geography of South America from a regional viewpoint. **Three hours per week.**

320. POLITICAL GEOGRAPHY **3 hours credit**

A study of the spatial expression of man's political behavior. Emphasis is placed on the significance of geographic factors in the growth and development of states and on the development of concepts and theories in the field. **Three hours per week.**

330. AGRICULTURAL GEOGRAPHY **3 hours credit**

An analysis of the spatial variation and organization of the world's agricultural system, with special attention to the United States. Emphasis is given to world food supply, the physical and cultural requisites affecting production, spatial variations in production, land use, and the origins and dispersals of agriculture. **Three hours per week.**

331. INDUSTRIAL GEOGRAPHY **3 hours credit**

An analysis of the factors and trends in the spatial distribution of world industrial activity. Emphasis is placed on techniques of analysis, and on the development of theoretical concepts and general principles which may assist in understanding the geography of manufacturing activity. **Three hours per week.**

399. EUROPEAN FIELD STUDY **3 or 6 hours credit**

An on-site study of the geography, history and culture of selected European countries. Work in the field is preceded by pre-tour lectures.

400. REGIONAL GEOGRAPHY OF EASTERN EUROPE AND THE SOVIET UNION **3 hours credit**

A general treatment of the physical and cultural patterns of eastern Europe and the Soviet Union showing interrelations and emphasizing those regions in rapid transition. Some attention is directed to the geographical foundations of Soviet international relations. **Three hours per week.**

401. REGIONAL GEOGRAPHY OF AFRICA **3 hours credit**

An examination of the contemporary patterns of life in Africa, particularly sub-saharan Africa, from a regional viewpoint. Special attention is given to the interplay of physical and cultural elements, economic activities, demographic trends, regional development and spatial interaction. **Three hours per week.**

403. REGIONAL GEOGRAPHY OF THE MEDITERRANEAN LANDS **3 hours credit**

A study of the geographic unity and complexity of the lands bordering the Mediterranean Sea. Current problems are considered in the geographic setting. **Three hours per week.**

404. HISTORICAL GEOGRAPHY OF EUROPE **3 hours credit**

A geographical interpretation of European development through the study of its changing landscapes. **Three hours per week.**

405. URBAN GEOGRAPHY **3 hours credit**

A study of the growth, development and functions of cities as geographic units and their relationships to their hinterland. Some time is devoted to urban planning and urban land use mapping. Occasional field work is scheduled. **Three hours per week.**

406. REGIONAL ECONOMIC DEVELOPMENT **3 hours credit**

An analysis of the spatial incidence of economic growth. Emphasis is placed on the spatial dimension as an important consideration in the theory and practice of economic development. **Three hours per week.**

415. SELECTED PROBLEMS **3 hours credit**

This course is designed for the Geography or other social science major who desires to do research in the field of geography. The problems may be in the nature of library research, field research, or a combination of both. Choice is with department approval. Specific topic will be indicated on transcript. May be taken twice for credit. **Prerequisite:** Fifteen hours of Geography or consent of instructor. **Three hours per week.**

420. SENIOR THESIS **3 hours credit**

Independent study and preparation of thesis. Choice is with departmental approval. Specific topic will be indicated on transcript. **Prerequisites:** Eighteen hours in Geography and at least 3.25 scholastic average in Geography. **Three hours per week.**

422. READINGS IN GEOGRAPHY **3 hours credit**

Selected readings designed to permit study in depth of selected topics. Choice is with departmental approval. Specific topic will be indicated on transcript. May be taken twice for credit. **Prerequisite:** Fifteen hours in Geography or consent of instructor. **Three hours per week.**

450. PROSEMINAR IN GEOGRAPHY **3 hours credit**

A study of selected systematic and regional topics. A single theme will be considered each semester and will be entered on the student's transcript. May be taken three times for credit. **Three hours per week.**

Physical Geography

201. PHYSICAL GEOGRAPHY **3 hours credit**

A survey of the physical features of the environment including weather, climate, landforms, soils and the ocean. Processes and distributional patterns are emphasized. **Three hours per week.**

309. CARTOGRAPHY **3 hours credit**

An introduction to maps and map-making. Attention is given to the techniques and problems involved in the compilation, design, and drawing of non-topographic maps. Three two-hour laboratories. **Six hours per week.**

317. INTERPRETATION OF AERIAL PHOTOGRAPHY **3 hours credit**

Techniques of air photo interpretation designed primarily for the geographer. Analysis of land use, topography and vegetation are included. Three two-hour laboratories. **Six hours per week.**

318. LOCAL FIELD COURSE **4 hours credit**

This course is designed to familiarize the geography student with the basic field techniques of geography. Land use field studies and mapping of the rural and urban areas of eastern Maryland are scheduled for Sundays. **Four hours per week and six one-day trips per semester.**

409. CARTOGRAPHY PRACTICUM **3 hours credit**

An advanced course in the compilation, design and drawing of non-topographic maps. **Prerequisite:** Geography 309. **Six hours per week.**

410. METEOROLOGY **3 hours credit**

An analysis of weather elements and their controls including the planetary circulation system, storms and associated phenomena, study and use of weather maps in forecasting. **Four hours per week.**

411. GEOMORPHOLOGY **3 hours credit**

This course deals with landform analysis. Treatment is given to the agents of erosion and deposition — water, wind and ice, and to the internal forces which leave visible evidence on the earth's surface. **Four hours per week. Four one-day and one three-day field trips.**

413. CLIMATOLOGY **3 hours credit**

An analysis of climatic elements and their control. Consideration is given to climatic classifications and the distribution of climatic types. **Four hours per week.**

415. SELECTED PROBLEMS **3 hours credit**

This course is designed for the geography or other social science major who desires to do research in the field of geography. The problems may be in the nature of library research, field research, or a combination of both. Choice is with departmental approval. Specific topic will be indicated on transcript. May be taken twice for credit. **Prerequisite:** fifteen hours of geography or consent of instructor. **Three hours per week.**

420. SENIOR THESIS **3 hours credit**

Independent study and preparation of thesis. Choice is with departmental approval. Specific topic will be indicated on transcript. **Prerequisite:** Eighteen hours in geography and at least 3.25 scholastic average in geography. **Three hours per week.**

422. READINGS IN GEOGRAPHY **3 hours credit**

Selected readings designed to permit study in depth of selected topics. Choice is with departmental approval. Specific topic will be indicated on transcript. May be taken twice for credit. **Prerequisite:** Fifteen hours in geography or consent of instructor. **Three hours per week.**

450. PROSEMINAR IN GEOGRAPHY **3 hours credit**

A study of selected systematic and regional topics. A single theme will be considered each semester and will be entered on the student's transcript. May be taken three times for credit. **Three hours per week.**

GERMAN

(See Modern Languages — Page 111)

HEALTH

(See Physical Education and Health — Page 128)

HISTORY

PROFESSORS WROTEN (Chairman), HELMES, LES CALLETTE, PAGE; ASSISTANT PROFESSORS BERRY, BRADLEY, JOHNSON, THOMPSON; INSTRUCTORS ANG. MARCSON.

Bachelor of Arts requirements for a major in history include History 101, 102, 201, 202, (unless exempted by advanced placement tests), 330 and fifteen hours of upper division (300-400 level) electives in History, selected with the approval of the departmental advisor. Majors must also have four (4) satisfactory research papers recorded with the chairman, complete six hours in a social science other than History and satisfy a foreign language requirement. To satisfy the language requirement for a degree in History, a student should make a passing grade in language 112 or the equivalent level of reading proficiency, demonstrated in a test administered by the language department.

Transfer students may be credited with a maximum of 15 hours of "C" (2.0) or better in History.

History majors seeking certification for teaching History in the secondary school should meet the additional requirement of the following courses in Education: 300, 305, 306, 334, 410, 422, and 432.

101, 102. WORLD CIVILIZATIONS **3 hours credit each**

A survey of major civilizations from prehistoric times to the present, including a study of the economic, social, cultural, and political forces in the various civilizations. **Three hours per week.**

201, 202. HISTORY OF THE UNITED STATES **3 hours credit each**

These courses offer a survey of the political, economic, social, and cultural factors which have shaped the pattern of life in the United States. Particular problems are examined in the light of their sources and historical development. 201 goes through 1865 and 202 from 1865 to the present. **Three hours per week.**

210. INTRODUCTION TO WORLD RELIGIONS **3 hours credit**

An introductory survey of the historical development of world religions. Specific religious experience will be drawn from diverse cultural tradition as ancient Babylonian, Judaeo-Christian, Imperial

Chinese, and Modern American religious movements. Fertility gods and spirits of nature, augury, omens, possession and prophecy will be among the topics analyzed. **Prerequisites:** History 101-102. **Three hours per week.**

215. TOPICS IN HISTORY **3 hours credit**
An historical study of particular periods; groups; economic, intellectual and/or social movements and institutions. The course may be taken twice, under different course titles recorded with the registrar. **Three hours per week.**

302. COLONIAL AND REVOLUTIONARY AMERICA (1607-1783) **3 hours credit**
A detailed study of foundations of American civilization. Economic, political, social, cultural and religious factors are emphasized. Consideration of English policy and the revolution are included. **Three hours per week.**

306. THE EMERGENCE OF A NEW NATION: U.S. (1789—1860) **3 hours credit**
The course covers such topics as the new government and its policies, nationalism and economic expansion, the common man and the new democracy, social ferment and reform movements, manifest destiny, wars and sectional crises. **Prerequisites:** History 201 and 202. **Three hours per week.**

307. CIVIL WAR AND RECONSTRUCTION **3 hours credit**
A survey of the origins, development and outcome of the struggle between the north and south to the end of reconstruction. Emphasis is placed upon the clash of national and sectional interests, as well as the political and military aspects of the conflict. **Three hours per week.**

310. HISTORY OF ENGLAND AND GREATER BRITAIN **3 hours credit**
A survey of England from Roman times to the present, emphasizing the political, legal, social, economic and cultural institutions and the spread of England overseas. **Prerequisites:** History 101, 102. **Three hours per week.**

318. HISTORY OF THE ANCIENT NEAR EAST **3 hours credit**
A survey of social, political, and religious institutions of the ancient Mesopotamian civilizations of the Sumerians, Babylonians, Hebrews, Assyrians, Hittites, and Dynastic Egypt, with emphasis on cultural contributions. **Prerequisites:** History 101, 102. **Three hours per week.**

319. TOPICAL ANALYSIS OF ROMAN INSTITUTIONS AND IDEAS **3 hours credit**
The course will portray the rise of Rome from city-state to empire.

Emphasis on social and cultural achievements from eighth century B.C. to fourth century A.D. **Prerequisites:** History 101, 102. **Three hours per week.**

321. HISTORY OF MEDIEVAL EUROPE **3 hours credit**
A survey of culture and institutions of eastern and western Europe from the Age of Constantine to the end of the Hundred Years War and the Fall of Constantinople to the Turks. **Prerequisites:** History 101, 102. **Three hours per week.**

322. RENAISSANCE TO REVOLUTION (1450—1815) **3 hours credit**
European developments from the Age of Exploration through the French Revolution, emphasizing the development of early nationalism, absolutism, colonialism, capitalism, the middle classes, religious wars, cultural change, and scientific thought. **Prerequisites:** History 101, 102. **Three hours per week.**

323. EUROPE IN THE NINETEENTH CENTURY **3 hours credit**
An analysis of developments from the time of Napoleon to 1900, with emphasis on the industrial revolution and imperialism. Reorganization of the European state system and origins of the great ideological conflicts are considered. **Prerequisites:** History 101, 102. **Three hours per week.**

324. CENTRAL EUROPE SINCE 1815 **3 hours credit**
A history of Germany and Austria from the Napoleonic period to the present, concentrating on the problems of German nationalism within the framework of modern Europe. Social, economic, and cultural developments will also be emphasized. **Prerequisites:** History 101, 102. **Three hours per week.**

325. HISTORY OF EUROPEAN REVOLUTIONS SINCE 1815 **3 hours credit**
An examination of representative revolutions since the time of Napoleon, which will assess the influence of the French Revolution on nineteenth century uprisings, explore the changed character of revolutions in the twentieth century, and attempt to construct a revolutionary model. **Prerequisites:** History 101, 102. **Three hours per week.**

326. AGE OF REVOLUTION, 1789-1848 **3 hours credit**
This course will trace and analyze the origins and development of two great historical upheavals, the French Revolution of 1789, and the contemporaneous Industrial Revolution in Britain. **Prerequisites:** History 101, 102. **Three hours per week.**

330. PROSEMINAR IN HISTORY **3 hours credit**
A survey of selected historians and their interpretations of history.

The student is introduced to the procedures involved in preparing a research paper. (Required of History majors and may be taken by any student who has satisfactorily completed History 101, 102 and 201 or 202.) **Three hours per week.**

332. NATIONAL HISTORY OF MEXICO **3 hours credit**

The development of the Mexican nation with special attention to the war for independence, Caudillo government, reform movement, the dictatorship of Porfirio Diaz, and the revolution of 1910. United States-Mexican diplomatic relations are examined. **Three hours per week.**

333. THE ABC POWERS **3 hours credit**

A study of the three major South American powers, Argentina, Brazil, and Chile, with special emphasis on their constitutional development. Included is a close review of their relationships with the United States. **Three hours per week.**

334. LATIN-AMERICAN INSTITUTIONS **3 hours credit**

A study of the major institutions which developed in Latin America during the colonial and national periods. **Three hours per week.**

340. HISTORY OF AFRICA TO 1870 **3 hours credit**

The course begins with the anthropological literature necessary for an understanding of the continent. The development of indigenous political and social institutions leading to complex state formation in sub-saharan Africa will be emphasized. **Prerequisites:** History 101, 102. **Three hours per week.**

341. HISTORY OF AFRICA: 1870-PRESENT **3 hours credit**

The course will emphasize the history and politics of imperialism from the "scramble" for Africa to de-colonization. Emphasis will be placed on the interaction of African and European institutions. **Prerequisites:** History 101, 102. **Three hours per week.**

350. ISLAMIC CIVILIZATION **3 hours credit**

The achievements and failures of Islamic civilization from the seventh to the nineteenth century. Emphasis is on the Middle East but the region from Spain to Indonesia is covered. **Prerequisites:** History 101, 102. **Three hours per week.**

355. THE MIDDLE EAST AND THE BALKANS SINCE 1500 **3 hours credit**

A history of these two strategic regions from the 16th century, when both were in the Ottoman Empire, to the present development of 17 independent states. Emphasis will be on the historical explanation of current events. **Prerequisites:** History 101, 102. **Three hours per week.**

360. HISTORY OF EAST ASIA TO 1800 **3 hours credit**

A study of the social, cultural, political and economic institutions of traditional China and Japan and concurrent developments in Korea and Southeast Asia. **Prerequisites:** History 101, 102. **Three hours per week.**

361. HISTORY OF EAST ASIA SINCE 1800 **3 hours credit**

A study of the great changes which have taken place in the major East Asian countries in the past two centuries. Emphasis will be placed on the impact of the West, the search for a new culture, and the background of contemporary social and political problems. **Prerequisites:** History 101, 102. **Three hours per week.**

370. GREEK HISTORY **3 hours credit**

An historical survey of classical Greek civilization, including political, socio-economic, and religious institutions. Particular emphasis on cultural and artistic aspects of Hellenic civilization. **Prerequisites:** History 101, 102. **Three hours per week.**

400. HISTORY OF MARYLAND **3 hours credit**

A study of Maryland history and government from the colonial period to the present. The course places special stress on the leaders, institutions, and contributions made in Maryland and by Maryland to the nation. **Three hours per week.**

401. AMERICAN DIPLOMACY **3 hours credit**

An historical study of the foreign relations of the United States and the resultant diplomatic negotiations from 1776 to the present. **Three hours per week.**

405. THE UNITED STATES IN THE TWENTIETH CENTURY I **3 hours credit**

Populism to 1932. A study of the political, economic, intellectual, and social problems attending America's rise to world power late in the 19th century, her involvement in World War I, the changes attending that conflict and the problems of the 1920's. **Three hours per week.**

406. THE UNITED STATES IN TWENTIETH CENTURY II **3 hours credit**

F.D. Roosevelt to the present. A study of the efforts of the United States to resolve the complex problems of the 1930's intensified by the great depression, its involvement in World War II, and struggles to maintain peace in the post-war world. **Three hours per week.**

407. THE WESTWARD MOVEMENT **3 hours credit**

A study of the westward movement from the Atlantic to the Trans-Alleghany and Trans-Mississippi west, with emphasis upon the influence of the frontiers in shaping American civilization. **Three hours per week.**

409. RECENT TRENDS AND DEVELOPMENT IN LATIN AMERICA **3 hours credit**

An examination of the important political, economic and military changes in Latin America, particularly those of the twentieth century. **Three hours per week.**

411. PROBLEMS IN LATIN AMERICAN HISTORY **3 hours credit**

Readings, reports, and discussion of historical problems of Latin American development. **Three hours per week.**

412. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES I (1600-1875) **3 hours credit**

(See course description in History 413.)

413. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES II (1876 TO PRESENT) **3 hours credit**

These courses are a study of American thought as reflected by the people and leaders. The development of American heritage is covered from the colonial period to the present, with emphasis upon the intellectual, social, religious, and economic movements. The first course covers from the colonial period to reconstruction and the second course from about 1876 to present. **Three hours per week.**

417. HISTORY OF SCIENCE AND TECHNOLOGY **3 hours credit**

A survey of the evolution of scientific achievements and technology in the western world, with particular emphasis on the cultural, economic and social implications of these developments. **Prerequisites:** History 101, 102. **Three hours per week.**

421. EUROPE IN THE TWENTIETH CENTURY WORLD **3 hours credit**

A study of the economic, social, intellectual, and political development of Europe, viewed in the context of world wars, depression, and conflicting political ideologies, showing the decline of European dominance and the rise of America and Asia. **Prerequisites:** History 101, 102. **Three hours per week.**

423. RUSSIA: RISE TO IMPERIAL POWER **3 hours credit**

A study of Russia from its beginnings to the reign of Nicholas II, with emphasis upon its eastward expansion. **Prerequisites:** History 101, 102. **Three hours per week.**

424. TWENTIETH CENTURY RUSSIA: REPRESSION, REVOLUTION AND CONSOLIDATION **3 hours credit**

A study of Russia from the reign of Nicholas II with emphasis upon its changing role in world affairs. **Prerequisites:** History 101, 102. **Three hours per week.**

426. HISTORY OF SOUTHERN ASIA **3 hours credit**

A study of the Indian sub-continent and adjacent regions, their social development, the evolution of Hinduism and Buddhism, the Islamic, Mongol, and British conquests, the rise of nationalism, and the status of the region today. **Prerequisites:** History 101, 102. **Three hours per week.**

430. READINGS IN HISTORY **3 hours credit**

A readings course in History for students who have achieved above average in at least eighteen hours of History courses. This course may be taken twice, under different course titles, recorded with the registrar. **Three hours per week.**

435. SENIOR THESIS **3 hours credit**

Individual research and preparation of a thesis by History majors. Topic to be approved by department chairman. **Three hours per week.**

437. HISTORY OF EUROPEAN IDEAS **3 hours credit**

A survey of the western intellectual tradition, beginning with its heritage from the ancient world, and emphasizing the main currents of European thought from the Middle Ages to the present. Particular emphasis will be placed on the rise of a spirit of free inquiry, the development of a scientific attitude, and the growth of a distinct intellectual class. **Prerequisites:** History 101, 102. **Three hours per week.**

440. MINORITY GROUPS IN UNITED STATES HISTORY **3 hours credit**

Attention is given to the role and contribution of minority groups in general, with special emphasis on some of the larger and older minority groups. **Three hours per week.**

450. SELECTED PROBLEMS IN EUROPEAN THOUGHT AND CULTURE, 1700-1840 **3 hours credit**

Readings and discussion in this course will focus on intellectual currents in England, France and Germany in the 18th and early 19th centuries. Works of contempory writers will be examined in the context of social and political developments. **Prerequisites:** History 101, 102. **Three hours per week.**

460. HISTORY OF CHINA SINCE 1800 **3 hours credit**

The revolutionary transformation of China from the nineteenth century to the present, with emphasis on the impact of imperialism, the profound effects of western technology and foreign policy wrought by the history of her relations with the West. **Prerequisites:** History 101, 102. **Three hours per week.**

490. STUDIES IN HISTORY **3 hours credit**

An intensive historical study of particular periods; groups; econom

ic, intellectual, cultural, social movements, and/or institutions. This course may be taken twice, under different course titles recorded with the registrar. **Three hours per week.**

LIBERAL STUDIES

Salisbury State College offers a major in Liberal Studies for two reasons. First, this program allows a student the opportunity to create for himself, within certain limits, a completely individualized curriculum, one which will be uniquely suited to his special needs. It is increasingly evident that the traditional, lock-step curricula with their traditional majors have in many instances become insensitive to the individualism of today's college student. Likewise it is increasingly evident that more and more students are coming to college not really wanting one of the usual majors, but rather wanting to read and study widely in a variety of areas. This major allows them this opportunity.

Secondly, a major in Liberal Studies is proposed for those students who wish to take a concentration in areas where the College does not offer a specialized major program. A Liberal Studies program permits a student to concentrate in such areas as Art, Earth Science, European Studies, Latin American Studies, Music, Philosophy, or Urban and Rural Studies without having to satisfy, in addition, the requirements of one of the College's traditional major programs in order to qualify for the bachelor's degree.

The requirements for a degree in Liberal Studies are:

A. Completion of all General Education Requirements
B. Completion of 120 semester hours of "C" or better work
C. Completion of a minimum of 30 semester hours in 300 level or above courses.

Students planning to obtain a baccalaureate degree in Liberal Studies should seek advice from a member in their field of interest or from the Academic Counselor. It is desirable that a student elect the Liberal Studies major by the end of his junior year. The program is coordinated by the office of the Academic Dean.

The student may be awarded either a Bachelor of Arts degree or a Bachelor of Science degree, whichever is deemed more appropriate by the Academic Dean.

MATHEMATICS

PROFESSOR FUSARO (Chairman); ASSOCIATE PROFESSORS JONES, SUBER; ASSISTANT PROFESSORS BUCKLER, CATHCART, MAY, PARKER.

Bachelor of Science requirements for a major in Mathematics include:

1. A minimum of three years of college preparatory mathematics.

2. Mathematics 101, 102, 108, or equivalent. These requirements may have been satisfied by students with more than three years of high school mathematics.
3. Mathematics 201, 202, 306, 310 with grades of A, B or C.
4. 12 additional semester hours of approved courses in mathematics at the 300 or 400 level with grades of A, B or C.
5. 9-12 Semester hour approved sequence in one of the following areas: Chemistry, Economics, Geography, Philosophy, Physics or Psychology. See sequences listed below.

Students desiring advanced placement in calculus may apply for a placement examination for Mathematics 201 prior to orientation.

Mathematics majors seeking certification for teaching mathematics must meet the following additional requirements:

1. A.	Math 171 or 371	Computer Techniques
B.	Math 213 or 413	Probability and Statistics
C.	Math 406 or 407	Geometry
D.	Math 461, 465 or 467	Models and Applications
E.	Math 402, 421 or 441	Structure and Proof
F.	Math 295	Culture

The 300 and 400 level courses listed in this group may be used in partial fulfillment of requirement (3) above.

2. Education 300, 305, 306, 309, 335, 410, 432.

Mathematics majors planning to pursue graduate study are encouraged to take Mathematics 431, 441, 451, 452.

Transfer students majoring in mathematics are required to complete the following at Salisbury State College:

A) A minimum of 15 semester hours in mathematics for students entering at junior standing or below;
B) A minimum of 9 semester hours in mathematics for students entering at senior level.

Sequences for requirement (4) above are:

Chemistry: 101; 102 or 104; approved upper division course.
Economics: 201; 202; approved upper division course.
Geography: 100; 201, 202 or 203; approved upper division course.
Philosophy: 201; 202; approved under division course.
Physics: 203; 204; approved under division course.
Psychology: 210; 211; approved upper division course.

001. INTRODUCTORY ALGEBRA **0 hours credit**

Introduction to algebra including elementary properties of number systems, polynomials, equations, inequalities and functions. **Three hours per week.**

100. SURVEY OF MATHEMATICS **3 hours credit**

A review of the basic concepts of mathematics in arithmetic, algebra and geometry. An introduction to mathematical terminology and

techniques necessary for the study of college courses requiring a foundation in elementary mathematics. Credit will not be given for both Mathematics 100 and 103. **Three hours per week.**

101. COLLEGE ALGEBRA **3 hours credit**

A modern approach to college algebra including functions and their graphs, matrices and determinants, permutations,combinations, the binomial theorem, and mathematical induction. **Prerequisite:** Two units of high school algebra or Mathematics 001. **Three hours per week.**

102. TRIGONOMETRY **3 hours credit**

A study of the trigonometric functions and their graphs, equations, identities, composite angles, and other usual topics. **Prerequisites:** High school algebra and plane geometry. **Three hours per week.**

103. FUNDAMENTAL CONCEPTS I **3 hours credit**

This course is intended primarily for prospective elementary school teachers. The properties of the natural number system are developed using set concepts as a basis for the development. Additional topics include algorithms, numeration systems, and extensions of the natural number system. Credit will not be given for both Mathematics 100 and 103. **Three hours per week.**

104. FUNDAMENTAL CONCEPTS II **3 hours credit**

A continuation of Mathematics 103 in which the student is introduced to the real numbers, measurements, mathematical systems and mathematical method. **Three hours per week.**

108. ANALYTIC GEOMETRY **3 hours credit**

A study of rectangular and polar coordinate systems, graphs, lines, conic sections, curve sketching, parametric equations, and transcendental functions. **Prerequisites:** Mathematics 101 and 102 or equivalent. **Three hours per week.**

113. INTRODUCTORY STATISTICS **3 hours credit**

Organization and analysis of data, probability, frequency distributions, sampling techniques and hypothesis testing. **Prerequisite:** High School Algebra or Mathematics 001. Credit may not be earned in both Mathematics 113 and 213. **Three hours per week.**

171. COMPUTER PROGRAMMING **3 hours credit**

An introduction to computer programming and uses of the computer. Development of computer languages and computer oriented algorithms. **Prerequisite:** Two units of high school algebra or Mathematics 001. **Two hour lecture and two hours laboratory per week.**

200. IDEAS IN MATHEMATICS **3 hours credit**

A course for liberal arts students designed to provide an appreciation of the power, structure, and beauty of mathematics. **Prerequisites:** high school algebra and plane geometry. **Three hours per week.**

201. DIFFERENTIAL CALCULUS **4 hours credit**

Variables, functions, limits, differentiation, critical points, applications of maxima and minima, differentials, simple integration, and applications including fluid pressure, curvature, polar coordinates, mean value theorem, and indeterminate forms. **Prerequisite:** Mathematics 108 or equivalent. **Four hours per week.**

202. INTEGRAL CALCULUS **4 hours credit**

Integration as a process of summation, its application to areas, volumes, arc length, centroids, moments, infinite series, prismodal formula and Simpson's Rule, hyperbolic functions and multiple integrals. **Prerequisite:** Mathematics 201. **Four hours per week.**

213. PROBABILITY AND STATISTICS **3 hours credit**

Introduction to probability, frequency distributions, measures of dispersion, the normal curve, curve fitting, regression, correlation, and statistical inference. **Prerequisite:** two units of high school algebra or Mathematics 001. Credit may not be earned in both Mathematics 113 and 213. **Three hours per week.**

295. MATHEMATICS IN CULTURE — PAST AND PRESENT **1 hour credit**

A seminar series featuring lectures given by individuals actively working in mathematics or other disciplines, e. g., logic, science, psychology, economics. This series is designed to introduce students to some applications of mathematics in other disciplines and to develop an understanding of the relationship of mathematics to the culture in which it exists.

300. INFORMAL GEOMETRY **3 hours credit**

Geometric figures in the plane and in space are considered as sets of points and are analyzed intuitively. Some emphasis is placed on the deductive process. **Prerequisites:** Mathematics 103 and 104. Not open to majors in mathematics. **Three hours per week.**

306. LINEAR ALGEBRA **3 hours credit**

Basic concepts of vector spaces, linear transformation, matrices, determinants, and systems of linear equations. **Prerequisite:** Mathematics 201. **Three hours per week.**

310. CALCULUS III **3 hours credit**

Taylor's Theorem and infinite series, function of several variables, partial differentiation, multiple integrals and other topics. **Prerequisite:** Mathematics 202. **Three hours per week.**

371. NUMERICAL METHODS **3 hours credit**

Recommended for science and mathematics majors to learn

computer programming concurrently with classical numerical methods. Programs in Fortran will be written for interpolation, numerical differentiation and integrations, least square, systems of linear equations, differential equations, analysis of errors. **Prerequisite:** Mathematics 201 or equivalent. **Two hours lecture and two hours laboratory per week.**

402. THEORY OF NUMBERS **3 hours credit**

Basic concepts: integers, prime numbers, divisibility, congruences, and residues. **Prerequisite:** Mathematics 201. **Three hours per week.**

406. GEOMETRIC STRUCTURES **3 hours credit**

An axiomatic development of incidence, ordered incidence, affine and absolute geometries. Investigation of the Euclidean Parallel Postulate and its consequences, including similarity, area and volume. **Prerequisite:** Mathematics 201 or equivalent. **Three hours per week.**

407. NONEUCLIDEAN GEOMETRY **3 hours credit**

Saccheri quadrilaterals, open triangles and critical parallels in absolute geometry. The Lobachevskian Parallel Postulate and properties of hyperbolic geometry. Construction of a model of hyperbolic geometry in Euclidean 3-Space. **Prerequisite:** Mathematics 201 or equivalent. **Three hours per week.**

413. PROBABILITY **3 hours credit**

A study of finite sample space, including probability measure, random variables, frequency distributions, independence, variance regression, and correlation. Extension to countable infinite and continuous sample spaces. **Prerequisite:** Mathematics 202 or consent of instructor. **Three hours per week.**

421. INTRODUCTION TO MATHEMATICAL LOGIC **3 hours credit**

An introduction to the concepts of logic and methods of proof, along with applications to mathematics. **Prerequisite:** Consent of instructor. **Three hours per week.**

431. POINT SET TOPOLOGY **3 hours credit**

Topological spaces, homeomorphisms, compactness, product spaces; applications of these to various spaces with particular attention to Euclidean Space. **Prerequisites:** Mathematics 202 and consent of instructor. **Three hours per week.**

441. ABSTRACT ALGEBRA **3 hours credit**

An introduction to the theory of groups, rings, integral domains and fields, including basic properties of polynomials. **Prerequisite:** Mathematics 201. **Three hours per week.**

451. ANALYSIS I **3 hours credit**

An introductory course to modern abstract analysis including: real and extended real number systems, complex numbers, metric spaces, Weierstrass and Heine-Borel theorems in Euclidean N-Space, continuity and uniform continuity, L'Hospital's Rule and Taylor's Theorem. **Prerequisite:** Mathematics 202. **Three hours per week.**

452. ANALYSIS II **3 hours credit**

A continuation of Analysis I including: the Riemann-Stieltjes Integral, sequence of functions and an introduction to Lebesgue Theory. **Prerequisite:** Mathematics 451. **Three hours per week.**

461. DIFFERENTIAL EQUATIONS **3 hours credit**

A course including first order linear differential equations, homogeneous equations, exact equations, second order equations with constant coefficients, and applications. **Prerequisite:** Mathematics 202. **Three hours per week.**

465. MATHEMATICAL MODELS AND APPLICATIONS **3 hours credit**

Mathematical basis for model building, examples of simple models for uncomplicated systems in Biology, Psychology, Business and other fields, finite markov processes, models for growth processes. **Prerequisite:** consent of instructor. **Three hours per week.**

467. GAME THEORY AND LINEAR PROGRAMMING **3 hours credit**

Systems of linear inequalities, linear programming, geometric and computational aspects of linear optimization including the simplex algorithm, Duality Theorem, two-person zero-sum games, mixed strategies and optimal strategies, Fundamental Theorem of Game Theory, the simplex method and games. **Three hours per week.**

490. INDIVIDUAL STUDY **3 hours credit**

Supervised study in an area of interest to an advanced student. **Prerequisite:** Approval of the department. **Three hours per week.**

MEDICAL TECHNOLOGY

ASSISTANT PROFESSOR GROSKY (Coordinator).

During the first three years the Medical Technology major requirements include sixteen credit hours of chemistry, three credit hours of Mathematics, and sixteen credit hours of Biology (including microbiology).

Students interested in the Medical Technology major should apply for admission to the program in the fall of their junior year. Students who are accepted spend their fourth year in a twelve-month program of clinical experience at Peninsula General Hospital.

410. CLINICAL MICROSCOPY **2 hours credit**

This course will discuss the normal and pathological anatomy and physiology of the organs involved in the production of various body fluid and metabolic byproducts. The fundamental techniques of urinalysis as well as the examination of gastric fluid, duodenal fluid, feces, synovial fluid, seminal fluid, pleural and peritoneal fluid will be covered.

415. HEMATOLOGY **6 hours credit**

This course will cover the maturation and physiology of human blood cells and their major molecular components such as hemoglobin. Discussion of the red cells will include both the anemias and polycythemias. Discussion of the anemias will emphasize both the morphologic and etiologic aspects. Platelet physiology and platelet disorders will be covered. Normal blood coagulation as well as the coagulation disorders will be covered. The laboratory experience will stress the technical aspects of practical hospital hematology.

420. CLINICAL CHEMISTRY **9 hours credit**

This course will cover the analytical methodology by which both inorganic and organic constituents of body fluids important in human disease may be determined. The clinical applications of the determinations will be discussed. Experience with multi-channel automation, manual spectrophotometry, kinetic enzymes, fluorometry, electrophoresis, gas chromatography, thin layer chromatography and radioimmunoassay will be obtained.

425. MEDICAL MICROBIOLOGY **6 hours credit**

This course will cover the major bacteria, fungi, and parasites important in human disease. The course will cover the identification, cultivation, transmission, and sensitivity testing of these agents as well as a discussion of the diseases caused. An orientation to medical virology will be conducted.

430. SEROLOGY **1 hour credit**

This course will cover the basic principles of immunology with a discussion of the various types of Antigen-Antibody reactions. The theoretical and technical aspects of procedures important in the diagnosis of syphilis, gonorrhea, brucellosis, typhoid, tularemia, infectious mononucleosis, rubella, and hepatitis associated antigen will be covered.

435. IMMUNOHEMATOLOGY **3 hours credit**

The fundamental principles of blood typing in the ABO, Rh, and other subgroups will be discussed; genetics as related to blood group inheritance; typing and cross-matching of patients; detection of antibodies; pathogenesis of erythoblastosis; administrative aspects of blood bank management.

440. RADIOISOTOPES **1 hour credit**

This course will emphasize the assay of substances present in relatively low concentration by the technique of radioimmunoassay. Topics to be covered will include the immune response, general principles of radioimmunoassay as well as some of the more clinically important determination such as T4, digoxin, and angiotoensin. An orientation to the use of radioisotopes in organ scanning will be completed.

450. AUTOMATED CHEMISTRY **1 hour credit**

This course will provide the participant with a more extensive experience in automated chemistry. Emphasis will be placed on Technicon Multi-Channel Analyzers.

455. SPECIAL CHEMISTRY **1 hour credit**

This course will provide the participant with additional experience in the field of Special Chemistry and will include instruction in electrophoresis, immunoassay, radioimmunoassay and gas chromatography.

460. MEDICAL ELECTRONICS AND INSTRUMENTATION **2 hours credit**

This course will cover basic electronics with particular emphasis on concepts necessary in medical instrumentation. The major instruments utilized in clinical laboratory testing will be discussed individually. Guest lecturers will consider certain special aspects of medical instrumentation.

465. SPECIAL PROJECTS **1 hour credit**

During the academic year each student will be given an opportunity to develop concentrated skills in an area of his special interest. Emphasis will be placed on areas under development in the clinical laboratory such as special coagulation techniques, thin layer chromatography and gas chromatography. The student will be expected to write a written report summarizing his experience.

MODERN LANGUAGES: French, Spanish, German

PROFESSOR KNOWLES (Chairman); ASSOCIATE PROFESSOR PALMER; ASSISTANT PROFESSORS CLARK, DAUVERGNE.

Courses taught in English: French 240, 300, 350, 351, and 399 and Spanish 150, 151, 300, 350, 351, and 399.

240. THE FRENCH PEOPLE (CONDUCTED IN ENGLISH) **3 hours credit**

An entertaining study of the French, its tradition through the past, its complexity through the present and its potentially unsolvable pro-

blems in the future. Course conducted in English and uses slide presentations as a source of comprehensional assistance. **Three hours per week.**

300. STUDIES IN FRENCH **3 hours credit**
A course of study of an author, period, movement, genre, or theme. Topic will vary from semester to semester. May be repeated with new content. **Prerequisite**: English 102. **Three hours per week.**

350. SURVEY OF FRENCH LITERATURE IN TRANSLATION TO 1700 **3 hours credit**
A reflection of the past as seen through some of the greatest texts: The Song of Roland; Essais-Montaigne; Pheadra-Racine. Open to all. **Prerequisite:** English 102. **Three hours per week.**

351. SURVEY OF FRENCH LITERATURE IN TRANSLATION (18TH-20TH CENTURY) **3 hours credit**
A study of the emergence of France as a nation through the revolutionary literature of 1789, the intense emotionalism of the romantics, the realist observations; and the existential absurd of France today. Open to all. **Prerequisite:** English 102 or consent of department chairman. **Three hours per week.**

399. EUROPEAN FIELD STUDY **3 or 6 hours credit**
An on-site study of the geography, history, and culture of selected European countries. Work in the field is preceded by pre-tour lectures.

150. THE SPANISH PEOPLE (CONDUCTED IN ENGLISH) **3 hours credit**
A course in English for students outside the language curriculum. The course depicts the pecularities of the Spanish mentality as they are reflected in the language, the traditions, and the customs of the people. Major vehicle of examination will be literary sources. **Three hours per week.**

151. LATIN AMERICAN PEOPLES (CONDUCTED IN ENGLISH) **3 hours credit**
A course in English for students outside the language curriculum. The course depicts the peculiarities of the Latin American mentality as they are reflected in the language, the traditions, and the customs of the people. Major vehicle of examination will be literary sources. **Three hours per week.**

300. STUDIES IN SPANISH **3 hours credit**
A course of study of an author, period, movement, genre, or theme. Topic will vary from semester to semester. May be repeated with new content. **Three hours per week.**

350. SPANISH LITERATURE IN TRANSLATION TO 1700 **3 hours credit**
A survey of the classics from the Middle Ages, the Renaissance, and the Golden Age. Course conducted in English and open to non-majors. Requirement for majors. **Prerequisite:** English 102 or consent of department chairman. **Three hours per week.**

351. SPANISH AND LATIN AMERICAN LITERATURE IN TRANSLATION (19TH AND 20TH CENTURY) **3 hours credit**
A survey of the major works of Spanish and Latin American literature including masterpieces or romanticism, realism, modernism and contemporary movements. Course conducted in English and open to non-majors. **Prerequisite:** English 102 or consent of department chairman. **Three hours per week.**

399. EUROPEAN FIELD STUDY **3 or 6 hours credit**
An on-site study of the geography, history, and culture of selected European countries. Work in the field is preceded by pre-tour lectures.

Bachelor of Arts requirements for major in French or Spanish are thirty-three credit hours above the elementary level. Specific courses are 350-351 for all majors and Spanish 220, 240 and 245 for teaching major in Spanish and French 220 and 240 for teaching major in French. Majors will follow the required courses in general education prescribed for all students at the college. Students planning to teach will take those courses in education which are specified by the Education department and/or those required for certification in the state in which the student wishes to teach. The remaining credit hours required for graduation are open for electives; however, students are expected to consult the chairman of the department in planning their electives. For those interested in teaching certification, the state requires 24 hours of college level, or 18 hours of college level with two years study of the same language in any of the last three years of high school.

FRENCH

101, 102. ELEMENTARY FRENCH **3 hours credit each**
A comprehensive introduction to the spirit of French civilization through conversation. Placement is through placement test or with departmental approval. **Three hours per week.**

111. ESSENTIALS OF FRENCH GRAMMAR **3 hours credit**
The development of the basic grammatical principles needed to foster a comprehension of the learning skills. Prerequisites: French 101 and 102 or placement by department. **Three hours per week.**

112. ESSENTIALS OF FRENCH GRAMMAR **3 hours credit**
The development of the basic grammatical principles needed to fos-

ter a comprehension of the learning skills. **Prerequisite:** French 111 or departmental placement or approval. **Three hours per week.**

210. FRENCH READINGS AND COMPOSITION I **3 hours credit**

A course in which students review the major problems of French grammar through the analysis of texts. The course requires frequent short compositions leading to vocabulary development and refinement of style. This course should be taken by all those who wish to pursue an upper division curriculum. **Prerequisite:** French 112. **Three hours per week.**

211. FRENCH READING AND COMPOSITION II **3 hours credit**

A course in which students review the major problems of French grammar through the analysis of texts. The course requires frequent short compositions leading to vocabulary development and refinement of style. **Prerequisite:** French 210. **Three hours per week.**

220. INTERMEDIATE FRENCH CONVERSATION **3 hours credit**

A course for the continued development of conversational skills through oral reports and presentations and "explication de texte." **Prerequisite:** French 211 or consent of department chairman. **Three hours per week.**

320. AN INTRODUCTION TO LITERARY FORMS: DRAMA AND POETRY **3 hours credit**

An introduction to the formal principles underlying drama and poetry through readings and analysis of selected works. **Prerequisite:** French 211 or consent of department chairman. **Three hours per week.**

321. INTRODUCTION TO THE LITERARY FORMS: SHORT STORY AND NOVEL **3 hours credit**

An introduction to the narrative techniques of the French short story and the novel through readings and analysis of selected works. **Prerequisite:** French 211 or consent of department chairman. **Three hours per week.**

401. ADVANCED COMPOSITION AND MORPHOLOGY **3 hours credit**

A course designed to bring together on an intense advanced level all the principles of morphology, syntax, sentence development, and sentence structure through translation and advanced composition. **Prerequisite:** French 211. **Three hours per week.**

402. ADVANCED PHONETICS AND DICTION **3 hours credit**

A course designed to provide greater flexibility in the spoken language by intense oral practice to correct the defects of pronunciation

and diction. **Prerequisite:** French 220 or consent of department chairman. **Three hours per week.**

405. SPECIAL PROBLEMS IN FRENCH **3 hours credit**

Individual study of special areas in French linguistics or in French literature with the advice and direction from a member of the department. **Prerequisite:** Consent of department chairman. **Three hours per week.**

411. MEDIEVAL AND RENAISSANCE THOUGHT IN FRENCH LITERATURE **3 hours credit**

A study of the major phenomena of French literary history from its dawning in 843 to the negative implication of the term "Dark Ages," through to the optimism of the early Renaissance in Rabelais to its decline in Montaigne. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

412. FRENCH LITERATURE OF CLASSICAL PERIOD **3 hours credit**

A study of the principal classical themes found in the works of Corneille, Racine, Moliere, La Fontaine, La Bruyere and La Rochefoucauld. **Prerequisite:** French 320, 321 or consent of department chairman. **Three hours per week.**

413. LITERATURE OF "AGE OF REASON" **3 hours credit**

A study of the development of the philosophical and scientific movement in French with specific attention to the works of Montesquieu, Voltaire, Diderot and Rousseau. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

414. THE ROMANTIC MOVEMENT **3 hours credit**

The development of romanticism from Chateaubriand to Victor Hugo. The course is designed to illustrate the newly-found-post revolutionary sensitivities as reflected through selected literary sources. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

415. REALISM AND NATURALISM IN FRENCH LITERATURE TO 1860 **3 hours credit**

A detailed study of the terms "realism" and "naturalism" and their effect on the nineteenth century as seen through the works of Stendhal, Flaubert, Balzac and Zola. **Prerequisites:** French 320, 321, or consent of department chairman. **Three hours per week.**

416. CONTEMPORARY FRENCH LITERATURE **3 hours credit**

Contemporary ideologies as seen in representative works of Mauriac, Camus, Sartre, Maurras, Apollinaire, Prevert and Cocteau. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

417. TWENTIETH CENTURY DRAMA **3 hours credit**

A transitional study of certain dramatic works from Claudel to Ionesco including the underlying currents of symbolism, surrealism, existentialism, and the dramatic implications found in the avant-garde and anti-realist theaters. **Prerequisites:** French 320, 321 or consent of department chairman. **Three hours per week.**

440. FRENCH CULTURE AND CIVILIZATION OF CONTEMPORARY FRANCE **3 hours credit**

An in-depth, on-location study of French culture through gastronomy: Consists of two weeks at La Chambre de Commerce de L'Alimentation de Paris, plus lectures designed to assist the comprehension of the great transition (revolution) occurring in contemporary French thought and extensive touring throughout France. **Three hours per week.**

GERMAN

101. ELEMENTARY GERMAN **3 hours credit**

A lab-supported introductory course equivalent to two years of high school German. Placement: By examination if language previously studied or as a new language to students. **Three hours per week.**

102. ELEMENTARY GERMAN **3 hours credit**

Continuation of the lab-supported 101 program. Emphasis is placed upon development of reading skills, structural analysis and vocabulary enrichment. **Three hours per week.**

111. INTERMEDIATE GERMAN **3 hours credit**

A course for continued development and refinement of language skills with emphasis on reading, writing, vocabulary development. **Prerequisite:** German 102. **Three hours per week.**

112. INTERMEDIATE GERMAN **3 hours credit**

A course for continued development and refinement of the language skills with emphasis on reading, writing, and vocabulary development. **Prerequisite:** German 102. **Three hours per week.**

SPANISH

100. SPANISH FOR PRACTICAL COMMUNICATION **3 hours credit**

A course designed for students who expect to use Spanish for verbal communication in a Spanish-speaking environment. Students will learn practical vocabulary and basic phrases which will enable them to function in ordinary daily situations: in seeking information, in satisfying personal needs and in observing native courtesies. The course will enable students who travel to Spanish speaking countries to have a more meaningful and more rewarding experience. **Prerequiste:** None. **Three hours per week.**

101, 102. ELEMENTARY SPANISH **3 hours credit each**

A basic course in spoken and written Spanish with emphasis on the sound system and the major structures of the language. Placement is through placement test or with departmental approval. **Three hours per week.**

111. INTERMEDIATE SPANISH **3 hours credit**

A course for the continued development and refinement of the language skills with emphasis on reading, writing and vocabulary development. Placement is through placement test or with departmental approval. **Three hours per week.**

112. INTRODUCTION TO HISPANIC EXPRESSION **3 hours credit**

A course in which students will apply their language skills to explore the richness of the Spanish-speaking world through the study of selected materials. **Three hours per week.**

210, 211. SPANISH READINGS AND COMPOSITION **3 hours credit each**

A course in which students review the major problems of Spanish grammar through analysis of texts. Course requires frequent short compositions leading to vocabulary development and refinement of style. **Prerequisite** to upper-level writing courses. **Three hours per week.**

220. CONVERSATION **3 hours credit**

A course designed to develop confidence and correctness in spoken Spanish through practice in pronunciation, situational dialogues, and discussions. **Prerequisite:** Spanish 112 or consent of department chairman. **Three hours per week.**

240. ELEMENTS OF SPANISH CULTURE **3 hours credit**

A study of the dominant cultural patterns in Spanish life including the great themes of religion, family relationships and festivals; and the dilemmas of work-leisure, sports-cruelty, honor-death, through prose, drama and other selected material. **Prerequisite:** Spanish 211 or consent of department chairman. **Three hours per week.**

245. ELEMENTS OF LATIN AMERICAN CULTURE **3 hours credit**

A study of key cultural patterns with particular attention given to the results of the transformation of Spanish culture through its transplantation to the new world. The major vehicle of examination is the written word in prose, drama and other selected material. **Prerequisite:** Spanish 211 or consent of department chairman. **Three hours per week.**

320. INTRODUCTION TO LITERARY FORMS I — DRAMA AND POETRY **3 hours credit**

An introduction to the formal principles underlying drama and poetry through readings and analyses of selected works. **Prerequisite:** Spanish 211 or consent of department chairman. **Three hours per week.**

321. INTRODUCTION TO LITERARY FORMS II — SHORT STORY AND NOVEL **3 hours credit**

An introduction to the narrative techniques of the short story and the novel through readings and analyses of selected works, **Prerequisite:** Spanish 211 or consent of department chairman. **Three hours per week.**

401. ADVANCED SPANISH GRAMMAR AND COMPOSITION **3 hours credit**

Concentrated drill on Spanish syntax and Idiomatic usage combined with translation from English to Spanish and the writing of themes in Spanish. **Prerequisite:** Spanish 211 or consent of department chairman. **Three hours per week.**

405. SPECIAL PROBLEMS IN SPANISH **3 hours credit**

Individual study of special areas in Spanish linguistics such as phonetics and diction; in the history and evolution of the language; or in Spanish and Latin American literature; with advice and direction from a member of the deparment. May be repeated by same student with new content. **Prerequisite:** Spanish 320, or 321, or consent of department chairman. **Three hours per week.**

412. SPANISH LITERATURE OF GOLDEN AGE I — DRAMA **3 hours credit**

Study of selected masterpieces of Spanish drama of the Siglo de Oro. **Prerequisite:** Spanish 320, or 321, or consent of department chairman. **Three hours per week.**

413. SPANISH LITERATURE OF GOLDEN AGE II — POETRY AND PROSE **3 hours credit**

A study of selected masterpieces of Spanish poetry and prose of the Siglo de Oro. **Prerequisite:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

414. DON QUIJOTE **3 hours credit**

Study of Cervantes' novel *El Ingenioso Hildalgo Don Quijote De La Mancha.* **Prerequisite:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

415. NINETEENTH CENTURY SPANISH LITERATURE I — ROMANTICISM **3 hours credit**

A study of the development of romanticism in Spanish literature through representative masterpieces by outstanding authors of the

period. **Prerequisite:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

416. NINETEENTH CENTURY SPANISH LITERATURE II — POST-ROMANTICISM **3 hours credit**

A study of the development of the post-romantic movements in Spanish literature during the 19th century. **Prerequisite:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

417. NINETEENTH CENTURY SPANISH AMERICAN LITERATURE **3 hours credit**

A study of the major work in Spanish American literature of the 19th century. **Prerequisite:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

418. CONTEMPORARY SPANISH AND LATIN AMERICAN NOVEL **3 hours credit**

Study of selected Spanish and Latin American novels. The novels will vary from year to year. **Prerequisite:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

419. CONTEMPORARY SPANISH AND LATIN AMERICAN DRAMA **3 hours credit**

Study of selected Spanish and Latin American dramas. The dramas chosen will vary from year to year. **Prerequisite:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

420. THE ESSAY **3 hours credit**

A study of the history and development of the essay as a literary form in Spanish and Latin American literature. **Prerequisite:** Spanish 320, 321 or consent of department chairman. **Three hours per week.**

MUSIC

PROFESSOR J. FLEMING (Chairman); ASSOCIATE PROFESSOR ZEIGLER; ASSISTANT PROFESSOR DELPAZ, HEYDE, SMITH; INSTRUCTOR RUSSELL.

Courses in the Music curriculum are offered by the college as an element of liberal education. Theoretical and practical instruction in music is available, with opportunities for participation in both vocal and instrumental organizations.

A student may elect an area of concentration of 30-40 semester hours in Music within the Liberal Studies major. Combined with required courses in Education, this concentration in Music would qualify him for certification as a music teacher in the public schools of Maryland and several other states.

A student may also elect 16 or more semester hours in Music, which qualifies a major in Elementary Education for the "Music Endorsement" on the elementary certificate.

100. COLLEGE CHORUS **1 hour credit**

Provides opportunity to sing choral music of all musical periods and styles; develops musical ability and appreciation; singing ability and some understanding of musical notation required. **Two hours per week.** May be repeated for credit.

101. MARCHING/CONCERT BAND **1 hour credit**

Provides opportunity to continue instrumental training received prior to college. Fall activities include a ten-week marching season, with 4 1/2 hours rehearsal per week, as well as a four-week concert season. The spring semester offers a program of concentrated study in the area of concert literature only, with 2 hours of rehearsal per week. May be repeated for credit.

102. JAZZ ENSEMBLE **1 hour credit**

Study of style characteristics of the many elements of jazz music through performance of appropriate repertoire in the jazz medium. **Prerequisite:** Audition or approval of instructor. **Two hours per week.**

103. CHAMBER MUSIC ENSEMBLE **1 hour credit**

Study, rehearsal and performance of selected works for small ensembles, both vocal and instrumental. Designed primarily to give students opportunities (1) to become acquainted with music literature not normally included in other courses, and (2) to perform on a more musically advanced level than required for participation in chorus or band. Ensembles may include percussion, string, woodwind, or brass instruments. Male chorus, women's chorus, madrigal group, and ensembles of electronic and traditional instruments. **Prerequisite:** Registration by audition only, and written consent of department. **Two hours per week.** May be repeated for credit.

104. INTRODUCTION TO MUSIC **3 hours credit**

Reviews elements of music and introduces musical styles and forms from the Renaissance through twentieth century; develops understanding of music as an art and music's place in western culture; introduces techiques of listening. **Three hours per week.**

105. LITERATURE **3 hours credit**

A continuation of Music 104, with greater emphasis on a variety of works by great composers of all stylistic periods. **Three hours per week.**

200. FUNDAMENTALS **3 hours credit**

Develops understanding of musical notation and skills in reading and performing music by singing, playing the piano, simple harmony,

melody, and rhythm instruments and conducting. **Three hours per week.**

203, 204. THEORY I AND II **3 hours credit each**

Sight reading, ear training, written and keyboard harmony techniques applied to development of reading, part-writing and aural skills through simple chromaticism, modulation and transposition. **Prerequisite:** Music 200 or approval of instructor. **Three hours per week.**

205, 206. PIANO I AND II **2 hours credit each**

Group piano instruction with individual help, to develop fundamental piano techniques and pianistic style through acquaintance with a wide variety of piano literature. May be repeated for credit. Piano I to be a prerequisite to Piano II. **Prerequisite:** Music 200 or equivalent. **Three hours per week.**

207, 208. VOICE I AND II **2 hours credit each**

Introduction to vocal techniques and development of skill in singing through proper voice placement, breathing, tone production and diction. Voice I includes introduction to Italian diction and 18th century Italian song literature. Voice II includes introduction to German diction and the style of the "Lied." Other musical materials are chosen as needed. (Part of the course involves laboratory work, hence 3 class hours for 2 hours credit.) **Prerequisite:** Music 200 or consent of the instructor. Voice I to be prerequisite to Voice II. **Three hours per week.**

211. INSTRUMENTAL TECHNIQUES: STRINGS AND WOODWINDS **2 hours credit**

An introduction to traditional musical instruments and their development in western culture. The basic techniques of tone production are demonstrated and practiced. In the string family, use of the bow, pizzicato, and seating of the fingers are applied to violin and violoncello, and secondarily to viola and bass viol. In the woodwind family, proper embouchure, breathing, tonguing and slurring and proper fingering are applied to flute and clarinet and secondarily to piccolo, low clarinets, saxophone and representative double reed instruments. **Prerequisite:** Music 200 and/or approval of instructor. **Three hours per week.**

212. INSTRUMENTAL TECHNIQUES: BRASS AND PERCUSSION **2 hours credit**

An introduction to traditional musical instruments and their development in Western culture. The basic techniques of tone production are demonstrated and practiced. In the brass family, proper embouchure, breathing, tonguing and slurring, fingering and other means of changing pitch are applied to trumpet, and trombone and secondarily to French horn, baritone and tuba. In the percussion, proper handling and playing techniques are applied to drums,

cymbals, mallet-played instruments, miscellaneous percussion instruments and Latin American instruments, with characteristic rhythmic activity and pattern. **Prerequisite:** Music 200 and/or approval of instructor. **Three hours per week.**

303, 304. THEORY III AND IV **3 hours credit each**

Continuation of sight reading, keyboard and aural skills begun in Theory I and II, with drill in advanced melodic, harmonic and rhythmic dictation. Harmonic progressions through secondary chords, more remote modulation and chromaticism, composition in smaller forms, part writing including 4-part polyphonic style and settings for small instrumental ensembles. **Prerequisites:** Music Theory I and II. **Three hours per week.**

305, 306. MUSIC HISTORY I AND II **3 hours credit each**

Music from earliest times to the present, including changing theories of form and composition. Analysis and comparison of prevailing styles in music by representative composers. Music History I covers ancient music through the Renaissance; Music History II from the Baroque period through the present, including music of non-western cultures. **Prerequisite:** Music 104 or consent of instructor. **Three hours per week.**

307, 308. VOICE III AND IV **2 hours credit each**

Continuation of techniques begun in Voice I and II. Continued study of German Lieder, oratorio and opera. Introduction of French diction and application to French art song literature; contemporary art song literature in English. Study of program building with application to performance. Required recorded listening for analysis of voices. **Prerequisites:** Music 200, 207 and 208 or consent of department chairman. **Three hours per week.** (Part of the course involves laboratory work.)

310. CONDUCTING AND SCORE READING **3 hours credit**

Application of basic conducting patterns in expressing a variety of styles, dynamics and tempi; analysis of conductor's score and rehearsal techniques in both choral and instrumental music. **Prerequisite:** Music 200 or equivalent. **Three hours per week.**

315, 316. PIANO III AND IV **2 hours credit each**

Continuation of skills developed in Piano I and II plus keyboard harmony through simple modulation, transposition, improvisation and accompaniment techniques, and ensemble playing. (Part of the course involves laboratory work, hence 3 hours per week for 2 hours credit.) **Prerequisites:** Music 200, 205, 206 or equivalent proficiency level, as determined by instructor. Piano III a prerequisite for Piano IV. **Three hours per week.**

321, 322. ORGAN I AND II **2 hours credit each**

Fundamental techniques of organ manual and pedal playing, and

basic principles of registration. Easy organ literature by representative composers. **Prerequisites:** Music 200, piano ability of grade III level and approval of instructor. Organ I to be a prerequisite for Organ II. **Three hours per week.** May be repeated once for credit.

390. DIRECTED INDEPENDENT STUDY IN MUSIC **1-3 hours credit**

A tutorial course in any area of music open to students who need and are qualified to do specialized independent study in areas not covered by courses offered in any given semester. May include research in a selected musical form, composer of style, individual study and completion of specified exercises in one area of music theory or composition, or individual study of an instrument to develop specialized performance skills, all projects culminating in appropriate evaluation. Approval in writing of department chairman and supervising faculty member prior to registration, with the area of work to be specified in writing. May be repeated for a maximum of 6 credits.

404. MUSIC FOR THE THEATRE **3 hours credit**

Historical and analytical study of opera, operetta, Broadway musical ballet, music for films; lecture-discussion, critical listening to recordings, individual research and extensive use of visual aids. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

405. MUSIC OF THE BAROQUE PERIOD **3 hours credit**

Analysis of the philosophy, musical forms and styles of the period 1600-1750, study of representative polyphonic choral and instrumental music by outstanding composers of the period. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

406. MUSIC OF THE CLASSICAL PERIOD **3 hours credit**

Analysis of philosophy, musical forms and styles of the period 1750-1825, with emphasis on the development of instrumental music study of representative recorded music by outstanding composers. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

407. MUSIC OF THE ROMANTIC PERIOD **3 hours credit**

Analysis of philosophy, musical forms and styles of the period 1820-1900, particularly as they were influenced by social and political forces; study of representative vocal and instrumental works. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

408. MODERN MUSIC **3 hours credit**

Emergence of new developments from late romantic music through serial and electronic music, including influences of jazz and considering the effects of social forces and current world events. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

411, 412. APPLIED MUSIC I AND II **3 hours credit each**

An advanced course in performance techniques using a wide variety

of literature. A solo recital (alone, or sharing a program with other students) encompassing music of many styles and periods is a required culmination. Students will elect one performing medium (piano or voice or organ or other instrument) and must have completed the fourth course in the sequence for that instrument as a **prerequisite.** Each course may be repeated for credit once. **Three hours per week and a minimum of 12 individual practice hours per week.**

416. AMERICAN MUSIC **3 hours credit**

Analysis of musical forces and styles as they reflect the nation's development and America's unique contributions to the growth of music as an art form. **Prerequisite:** Music 104 or equivalent. **Three hours per week.**

421, 422. ORGAN III AND IV **2 hours credit each**

Continuation of techniques, skills and understandings begun in Organ I and II. Heavier emphasis on analytical listening and performance as well as emphasis on repertoire building for the church organist. **Prerequisites:** Organ I and II or approval of instructor. **Three hours per week.** (Part of the course involves laboratory work.)

425. MUSICAL FORM AND ANALYSIS **3 hours credit**

Study of the organizing principles of musical composition and their application to the most prevalent forms through the sonata-allegro and fugue. Analysis of music literature illustrating the basic vocal and instrumental forms, and some original composition in these forms. **Prerequisites:** Theory I-IV or ability to write four-part harmony through chromatic harmony.

426. ARRANGING FOR VOICES AND INSTRUMENTS **3 hours credit**

Fundamental techniques of scoring for various a cappella and accompanied voice combinations, scoring for orchestra, band and various instrumental combinations, special characteristics of each choir of instruments, range of voices, selection of suitable literature for treatment in different ensembles, with considerations of style. **Prerequisites:** Theory I through IV and a minimum of one semester participation in or observation of a choral group and an instrumental ensemble.

429. MUSIC CONCEPTS FOR EARLY CHILDHOOD **3 hours credit**

Melodic and rhythmic elements within the cognitive, physical, and aural capabilities of young children (nursery school through primary grades), use of simple creative application to reinforce music concepts. **Prerequisite:** Music 200 or approval of instructor. **Three hours per week.**

430. MUSIC CONCEPTS FOR ELEMENTARY SCHOOL **3 hours credit**

Development of musical skills, with emphasis on part-singing, piano accompaniments, combined rhythms, conducting skills, and creative application of these skills appropriate for the elementary school. **Prerequisite:** Music 200 or consent of the instructor. **Three hours per week.**

490. DIRECTED INDEPENDENT STUDY IN MUSIC **1-3 hours credit**

A tutorial course in any area of music open to seniors and graduate students. May include continuation of a skills development program begun in the lower level independent study course, or any type of individual research in music not normally included in courses offered by the department, or individual study of an area needed for teacher certification but not offered by the department in the current semester. Approval in writing of department chairman and supervising faculty member prior to registration, with the area of study to be specified in writing. May be repeated for a maximum of 6 credits.

PHILOSOPHY

ASSISTANT PROFESSORS CABRAL, MILLER, MOORE.

Philosophy examines those questions about the nature of man and the universe which philosophers have asked and sought to answer from ancient times to the present. Emphasizing the analysis of fundamental concepts, this discipline seeks to establish for the individual a foundation for intelligent action. Courses in this curriculum assist the student in appraising the presuppositions and methods of other disciplines and seek to show the broader significance and interrelation of work in all fields of academic endeavor.

Students can achieve the equivalent of a major in Philosophy by developing a concentration in Philosophy under the Liberal Studies program. A student who seeks such a concentration must complete a 33 hour program including 201, 203, either 202 or 204, and at least 15 hours of Philosophy course work at the 300 and 400 level. The student has the option of taking 9 more hours in Philosophy or 9 hours of 300 and 400 level courses from at least two related disciplines such as English, History, Sociology or Psychology. (The student must secure Philosophy department approval of the courses he uses to meet this requirement.)

201. INTRODUCTION TO PHILOSOPHY **3 hours credit**

An introduction to metaphysics, epistemology, and philosophy of religion. Central philosophic issues are considered through examination of problems in these areas and analysis of solutions offered by various systems of thought. **Three hours per week.**

202. INTRODUCTION TO LOGIC **3 hours credit**

This course will provide a basic introduction to logic, emphasizing modern symbolic methods. The nature of formal deductive proof will be given special attention. **Three hours per week.**

203. ETHICS **3 hours credit**

An historical analysis of the problems of ethics and consideration of criteria for their solution. Principal ethical positions are examined with emphasis on writings of Plato, Aristotle, St. Augustine, Spinoza. Hume, Kant and Mill. **Three hours per week.**

204. CRITICAL THINKING **3 hours credit**

The course is designed to develop ability to reason effectively, to analyze problems, identify issues, critically evaluate evidence, argue logically and reach and be able to defend justifiable conclusions. **Three hours per week.**

300. AESTHETICS **3 hours credit**

An introduction to aesthetics as a branch of philosophy dealing with the nature of art. Various theories from Plato to Wittgenstein will be discussed. **Three hours per week.**

301. GENERAL HISTORY OF PHILOSOPHY I **3 hours credit**

A survey course covering the period from the pre-Socratic philosophers to St. Thomas Aquinas. **Prerequisite:** Philosophy 201, or 202, or consent of instructor. **Three hours per week.**

302. GENERAL HISTORY OF PHILOSOPHY II **3 hours credit**

A survey course covering the periods from Descartes to the present. **Prerequisite:** Philosophy 301 or consent of instructor. **Three hours per week.**

303. CONTEMPORARY PHILOSOPHY **3 hours credit**

This course examines the impact of scientific method as well as the influence of mathematics on philosophical methods and concepts. Such important movements as pragmatism, positivism, the philosophy of analysis and existentialism will be discussed. **Prerequisite:** Philosophy 201 or Philosophy 204. **Three hours per week.**

304. CONTEMPORARY MORAL ISSUES **3 hours credit**

The course examines the major moral issues of our times. Among topics to be discussed are: civil disobedience, crime and punishment, business ethics, sex, drugs, discrimination, the role of the church in society, and alienation. **Prerequisite:** Philosophy 201, 202, or 203 or permission of the instructor. **Three hours per week.**

305. POLITICAL PHILOSOPHY **3 hours credit**

The nature of freedom, power, justice, class, etc. are studied through the comparison of different political, economic and social

systems. Applications are then made to contemporary problems. **Three hours per week.**

306. METAPHYSICS **3 hours credit**

This course examines a variety of philosophical theories which attempt to provide a comprehensive vision of reality as a whole. These theories are evaluated in terms of their ability to respond to certain ultimate questions man raises about being, matter and the absolute. The course also considers various proposals as to how man must elevate his consciousness to achieve complete knowledge of reality. **Three hours per week.**

400. PHILOSOPHICAL IMAGES OF MAN **3 hours credit**

A study of the major figures of classical and contemporary thought as regards their philosophies of man. **Prerequisite:** Philosophy 201, 202, or consent of instructor. **Three hours per week.**

401. PHILOSOPHY OF RELIGION **3 hours credit**

A study of the concepts and presuppositions of theology and the reasonings of theologians, as well as an examination of religious experiences and the activities of worship. **Prerequisite:** Philosophy 201, or 202, or consent of instructor. **Three hours per week.**

402. GOD IN MODERN AND CONTEMPORARY PHILOSOPHY **3 hours credit**

This course attempts to clarify and synthesize what modern philosophers say about God. It shows that regardless of the diversity of their opinions, there is an agreement about the basic problems. These problems center on God's existence, nature, and relationship to man. **Prerequisite:** Philosophy 201, 202 or 204 or permission of instructor. **Three hours per week.**

403. EXISTENTIALISM **3 hours credit**

An examination of the main themes of this contemporary philosophy which stresses the humanistic approach to the profound experiences of life are explored through the diverse themes of Kierkegaard, Sartre, Jaspers, Heidegger and Marcel. **Prerequisite:** Philosophy 201, 203, or 204. **Three hours per week.**

406. PHILOSOPHY OF SCIENCE **3 hours credit**

A critical examination of the philosophical problems common to the natural sciences, such as the nature of scientific laws and theories, and problems involved in scientific explanation. **Prerequisite:** Philosophy 201, 202 or 204. **Three hours per week.**

407. THEORY OF KNOWLEDGE **3 hours credit**

The course examines the sources, types, methods, structure and validity of knowledge. A study is made of classical, modern and contemporary sources of meaning, truth and perception with the intent of giving the student an acquaintance with an appreciation of

the scope and limits of knowledge. **Prerequisite:** Philosophy 201, 202 or 204. **Three hours per week.**

450. PHILOSOPHICAL CONCEPTS IN LITERATURE **3 hours credit**

An examination of philosophical concepts in literature; the concept to be dealt with will change from offering to offering. **Prerequisites:** English 101 and 102 and Philosophy 201. **Three hours per week.**

PHYSICAL EDUCATION AND HEALTH

PROFESSORS BUTLER (Chairman), MAGGS, WHITNEY; ASSOCIATE PROFESSORS BURROUGHS, DESHON, MORRISON, PECK; ASSISTANT PROFESSORS LAMBERT, MCNAMARA; INSTRUCTORS ARMSTRONG, COLEMAN, FARVER, MCGINCHEY, SIGLER, E. H. SMITH.

Requirements for the Bachelor of Science degree with a major in Physical Education.

Requirements designed to fulfill certification requirements for grades kindergarden through twelve include the satisfactory completion of certain specified courses in the general education program (Biology 111, 112, 215 and Physics 103 or Science 105, Chemistry 107, Communication Arts 100, and Psychology 210, which is prerequisite to a required professional education course).

Physical Education and Health course requirements include 12 credits in practice/theory courses, of which 9 are specified (220 MW, 221 W, 222 W, 225 M, 226 MW, 227 MW, 229 MW, 235 M, 239 M, 260 MW, 261 W, 309 MW). Also, P.E. 312, 313, 315 W or 316 W, 321, 406, 431, 450, and Health 101, 301 or 401.

Required professional education courses include: Education 300, 305, 306, 331, 403, 404 and 412.

Elementary Education majors desiring to be certified in Physical Education for grades K-6 will complete the following requirements for a "Physical Education Endorsement." Education 412 plus credits in Human Anatomy and Physiology, 16 semester hours in Physical Education selected from: P.E. 312, 313, 315 W, 316 W, 321, 340, 350 M, 351 M, 406, 408, 431, 450, and skills courses (catalog numbers 101, 102, 120-series, — especially P.E. 125, 130-series, 160-series, 220-series, 230-series, 260-series).

In general, courses numbered at the 100-level are beginning skills courses unless the title of the course indicates otherwise, those at the 200-level include both practice and theory and are at the intermediate level,and are designed primarily for Physical Education majors. All

courses in the department are open to general education students (when qualified).

The symbol (W) following a course title indicates that this course is for women only, (M) indicates for men only, (MW) indicates coeducational courses, (M,W) indicates separate sections for men and women.

PHYSICAL EDUCATION

001. INTERCOLLEGIATE ATHLETICS (M,W) **Non-Credit**

Involves practice and participation in intercollegiate athletics. (Hours depend on sport involved.)

100, 200. MODIFIED ACTIVITIES (MW) **1 hour credit each**

Assignment is made to these courses for students with physical handicaps, in order to fulfill Physical Education requirements. Offered on pass/fail basis only. **Two hours per week each of two semesters.**

101, 102. CONDITIONING AND SPORTS (M) **1 hour credit each**

A general program of physical education activities planned to help the student develop and maintain physical fitness. Emphasis is placed on recreational skills and carry-over sports. **Two hours per week for two semesters.**

120. ARCHERY AND FENCING (MW) BEGINNING **1 hour credit**

Fundamental skills, techniques, rules and strategy of archery and fencing. **Two hours per week.**

121. BASKETBALL AND LACROSSE (W) BEGINNING **1 hour credit**

Fundamental skills, techniques, rules and strategy of basketball and lacrosse. **Two hours per week.**

122. FIELD HOCKEY AND CONDITIONING (W) BEGINNING **1 hour credit**

Fundamental skills, techniques, rules and strategy of field hockey, exercises and self-testing activities designed to develop physical fitness. **Two hours per week.**

123. GOLF AND BADMINTON (MW) BEGINNING **1 hour credit**

Fundamental skills, techniques, rules and strategy of golf and badminton. **Two hours per week.**

124. RECREATIONAL GAMES AND SOFTBALL (W) **1 hour credit**

Fundamental skills, techniques, rules and strategy of selected games (such as shuffleboard, table tennis, bowling) and of softball. **Two hours per week.**

125. ELEMENTARY SCHOOL ACTIVITIES (MW) **1 hour credit**
A wide variety of activities for elementary school physical education programs. **Two hours per week.**

126. TENNIS AND VOLLEYBALL (MW) BEGINNING **1 hour credit**
Fundamental skills, techniques, rules and strategy of tennis and volleyball. **Two hours per week.**

128. TUMBLING AND BEGINNING GYMNASTICS (MW) **1 hour credit**
Fundamental skills and techniques in tumbling, and introduction to gymnastics and floor exercise routines. **Two hours per week.**

131. SOCCER AND BASKETBALL (M) **1 hour credit**
Fundamental skills, techniques, rules, and strategy of soccer and basketball. **Two hours per week.**

132. TOUCH FOOTBALL, GYMNASTICS AND TUMBLING (M) **1 hour credit**
Fundamental skills, techniques, rules, and strategy of touch football, gymnastics and tumbling. **Two hours per week.**

133. LACROSSE AND VOLLEYBALL (M) **1 hour credit**
Fundamental skills, techniques, rules and strategy of lacrosse and volleyball. **Two hours per week.**

134. WEIGHT TRAINING AND WRESTLING (M) **1 hour credit**
Fundamental skills, techniques, rules, and strategy of weight training and wrestling. **Two hours per week.**

137. TENNIS AND BADMINTON (MW) **1 hour credit**
Fundamental skills, techniques, rules, and strategy of tennis and badminton. **Two hours per week.**

150. INTERMEDIATE TENNIS (MW) **1 hour credit**
A thorough coverage of intermediate skills, strategy, rules, and scoring through participation in the sport. **Two hours per week.**

160. BEGINNING INTERNATIONAL FOLK DANCE (MW) **1 hour credit**
Basic steps and formations, and a wide variety of simple dances of different nations. **Two hours per week.**

161. ADVANCED INTERNATIONAL FOLK DANCE (MW) **1 hour credit**
Review of basic steps and formations. More complicated steps and patterns. A selection of intricate folk and national dances from various countries and cultures. **Prerequisite:** P.E. 160 or equivalent. **Two hours per week.**

162. ELEMENTARY MODERN DANCE (MW) **1 hour credit**
Fundamentals of modern dance, basic techniques and elementary composition. **Two hours per week.**

163. INTERMEDIATE MODERN DANCE (MW) **1 hour credit**
Advanced techniques, principles of composition and choreography. **Prerequisite:** P.E. 162 or equivalent. **Two hours per week.**

164. ADVANCED MODERN DANCE (MW) **1 hour credit**
Advanced skills, composition and choreography. Emphasis on both individual and group performance. **Prerequisite:** P.E. 163 or equivalent. **Two hours per week.**

220. PRACTICE AND THEORY OF ARCHERY AND FENCING (MW) **1 hour credit**
Review of fundamental skills in both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures. **Prerequisite:** P.E. 120 or equivalent. **Two and one-half hours per week.**

221. PRACTICE AND THEORY OF BASKETBALL AND LACROSSE (W) **1 hour credit**
Review of fundamental skills, techniques, rules and strategy of both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures in both sports. **Prerequisite:** P.E. 121 or equivalent. **Two and one-half hours per week.**

222. PRACTICE AND THEORY OF FIELD HOCKEY AND CONDITIONING (W) **1 hour credit**
Review of fundamental skills, techniques, rules and strategy of field hockey. Review of principles and techniques of conditioning. Analysis of teaching methods, lesson planning and progression, history and testing procedures in both activities. **Prerequisite:** P.E. 122 or equivalent. **Two and one-half hours per week.**

223. PRACTICE AND THEORY OF GOLF AND BADMINTON (MW) **1 hour credit**
Fundamental skills, techniques, rules and strategy of both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures. **Prerequisite:** P.E. 123 or equivalent. **Two and one-half hours per week.**

224. PRACTICE AND THEORY OF SOFTBALL AND SELECTED DUAL SPORTS (W) **1 hour credit**
Review of fundamental skills, techniques, rules and strategy in sports covered. Analysis of teaching methods, lesson planning and

progression, history, scoring and testing procedures. **Prerequisite:** P.E. 124 or equivalent. **Two and one-half hours per week.**

225. PRACTICE AND THEORY OF SOCCER AND SPEEDBALL (M,W) **1 hour credit**

Skills, techniques, rules and strategy of both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures. **Prerequisite:** For men, P.E. 131 or equivalent. **Two and one-half hours per week.**

226. PRACTICE AND THEORY OF TENNIS AND VOLLEYBALL (MW) **1 hour credit**

Review of fundamental skills, techniques, rules and strategy of both sports. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures in both sports. **Prerequisite:** P.E. 126 or equivalent. **Two and one-half hours per week.**

227. PRACTICE AND THEORY OF TRACK AND FIELD (M,W) **1 hour credit**

Review of fundamental skills, techniques and rules of track and field. Analysis of teaching methods, lesson planning and progression, history, scoring of meets, and testing procedures. **Two and one-half hours per week.**

229. PRACTICE AND THEORY OF ADVANCED GYMNASTICS AND APPARATUS (M,W) **1 hour credit**

Review of basic tumbling skills, and fundamentals of gymnastics. Analysis of teaching methods, lesson planning and progression. Skills of competitive apparatus work and scoring. **Prerequisite:** P.E. 128, or P.E. 101, and 102, or equivalent previous gymnastic experience. **Two and one-half hours per week.**

230. PRACTICE AND THEORY OF BASKETBALL (M) **1 hour credit**

Review of fundamental skills, techniques, rules, and strategy. Analysis of teaching methods, lesson planning and progression, history, scoring, and testing procedures. **Prerequisite:** P.E. 131 or equivalent. **Two and one-half hours per week.**

231. PRACTICE AND THEORY OF FOOTBALL (M) **1 hour credit**

Review of fundamental skills, techniques, rules, and strategy. Analysis of teaching methods, lesson planning and progression. Emphasis on advanced skills, theory and organization. **Prerequisite:** P.E. 132 or equivalent. **Two and one-half hours per week.**

233. PRACTICE AND THEORY OF BASEBALL (M) **1 hour credit**

Review of fundamental skills, techniques, rules and strategy.

Analysis of teaching methods, lesson planning and progression. Emphasis on advanced skills, theory and organization. **Prerequisite:** Previous experience in playing baseball. **Two and one-half hours per week.**

234. PRACTICE AND THEORY OF LACROSSE (M) **1 hour credit**

Review of fundamental skills, techniques, rules and strategy. Analysis of teaching methods, lesson planning and progression. Emphasis on advanced skills, theory and organization. **Prerequisite:** P.E. 133 or equivalent. **Two and one-half hours per week.**

235. PRACTICE AND THEORY OF WRESTLING (M) **1 hour credit**

Review of fundamental skills, techniques, rules and strategy. Analysis of teaching methods, lesson planning and progression. Emphasis on advanced skills, theory and organization. **Prerequisite:** P.E. 134 or equivalent. **Two and one-half hours per week.**

239. PRACTICE AND THEORY OF WEIGHT TRAINING (M) **1 hour credit**

Review of fundamental skills, techniques and rules. Analysis of teaching methods, lesson planning and progression. Emphasis on advanced skills, theory and organization. **Prerequisite:** P.E. 134 or equivalent. **Two and one-half hours per week.**

240. PRACTICE AND THEORY OF AQUATICS (MW) **1 hour credit**

Review of fundamental skills in basic swimming strokes, diving skills, and water safety. Analysis of teaching methods, lesson planning and progression, history, scoring and testing procedures in swimming. **Prerequisite:** Intermediate level swimming ability. **Two and one-half hours per week.**

260. PRACTICE AND THEORY OF INTERNATIONAL FOLK DANCE (MW) **1 hour credit**

Analysis and practice of dances of different nations, including the study of folk costumes and customs. Progression for teaching, teaching methods, and lesson planning. **Prerequisite:** P.E. 160 or equivalent. **Two and one-half hours per week.**

261. PRACTICE AND THEORY OF MODERN DANCE (MW) **1 hour credit**

Review of basic techniques, principles of composition, historical background, teaching methods and analysis of techniques. **Prerequisite:** P.E. 162 or equivalent. **Two and one-half hours per week.**

309. SWIMMING AND WATER SAFETY (MW) **1 hour credit**

Summers until pool is available. **Three hours per week.**

312. PHYSIOLOGY OF EXERCISE AND BODY MECHANICS (MW) **3 hours credit**

Study of the physiological basis and principles of physical activity. **Prerequisites:** Biology 111, 112 and Health 102. **Three hours per week.**

313. PREVENTION AND TREATMENT OF ATHLETIC INJURIES (MW) **3 hours credit**

Analysis of the importance of training in preventing injuries, diagnosis and treatment of injuries, first aid techniques and procedures. **Prerequisite:** P.E. 312. **Three hours per week.**

315. COACHING AND OFFICIATING (FALL AND WINTER SPORTS) (W) **2 hours credit**

Theory and practice of coaching and officiating in selected fall and winter sports. **Prerequisite:** Previous experience in playing field hockey, basketball and volleyball. **Three hours per week.**

316. COACHING AND OFFICIATING (SPRING SPORTS) (W) **2 hours credit**

Theory and practice of coaching and officiating in selected spring sports. **Prerequisite:** Previous experience in playing badminton, lacrosse, softball, and tennis. **Three hours per week.**

321. HISTORY, PRINCIPLES AND PHILOSOPHY (MW) **3 hours credit**

Analysis of the principles of physical education, with emphasis on their historical development from the basic sciences and related fields. **Three hours per week.**

340. ADAPTED PHYSICAL EDUCATION (MW) **2 hours credit**

Survey of types of individuals who could benefit from individualized physical education, with the study of corrective and recreational activities appropriate for teaching the handicapped. Teaching methods, class organization and program planning. **Three hours per week.** Two lectures and one 1-hour lab.

350. OFFICIATING FALL AND WINTER SPORTS (M) **1 hour credit**

Fundamental rules, procedures and practical experience in officiating football, soccer, and wrestling. Note: Student must register for P.E. 001. **Prerequisite:** Previous experience in playing the sports covered. **Two and one-half hours per week.**

351. OFFICIATING SPRING SPORTS (M) **1 hour credit**

Fundamental rules, procedures and practical experience in officiating basketball and baseball. Note: Student must register for P.E. 001. **Prerequisite:** Previous experience in playing the sports covered. **Two and one-half hours per week.**

370. CAMP LEADERSHIP (MW) **2 hours credit**

Study of individual techniques of camp counseling, the objective of camping, program planning and camp craft skills as they relate to effective leadership in the camp situation. **Two hours per week.**

406. ADMINISTRATION AND ORGANIZATION (MW) **3 hours credit**

Problems of administrative structure and procedure, program planning, organization of physical education classes and departments, and organization of athletic programs. **Prerequisite:** Completion of at least 8 credits in practice/theory courses. **Three hours per week.**

408. MOVEMENT EDUCATION (MW) **3 hours credit**

Analysis of the elements of human movement, with practical applications to the teaching of physical education in grades K through 12. Methods, materials, historical development, readings, practice. **Prerequisite:** Teaching or student-teaching experience, or completion of at least 8 credits of practice/theory courses. **Three hours per week.**

431. TESTS AND MEASUREMENTS (MW) **3 hours credit**

Study of testing and evaluation techniques for physical education activities, survey of health tests, grading techniques, and statistical procedures. Mathematics 100 is strongly recommended as a **prerequisite. Three hours per week.**

450. KINESIOLOGY (MW) **3 hours credit**

The study of human motion with emphasis on the skeletal and muscular systems that are involved. **Prerequisites:** Biology 215, P.E. 312 and Physics 103 (Science 105 or equivalent). **Three hours per week.**

451. PSYCHO-SOCIAL ASPECTS OF PHYSICAL EDUCATION (MW) **3 hours credit**

The interaction of physical education (sports) with the psychological and sociological development of the individual. **Prerequisite:** Psychology 210 or consent of instructor. **Three hours per week.**

452. APPLIED MOTOR LEARNING (MW) **3 hours credit**

The study of basic areas of investigation in motor learning and the relevance of findings to the teaching of physical education. **Prerequisite:** Consent of instructor. **Three hours per week.**

460. DANCE WORKSHOP (MW) **3 hours credit**

Theory and practice of dance forms used in public school physical education — children's rhythmic activities, modern dance, folk, square and tap dance. Designed as a three-weeks' summer school course for teachers. **Prerequisite:** Teaching experience or consent of instructor.

HEALTH

101. BASIC HEALTH (MW) **2 hours credit**

Factors involved in maintaining and improving personal health, analysis of individual health problems. **Two hours per week.**

301. CONTEMPORARY PROBLEMS IN HEALTH EDUCATION (MW) **3 hours credit**

Designed as preparation for public school teaching in such areas as sex education, drug use and abuse, and other current health problems. Involves curriculum planning, methods and materials. **Prerequisite:** Admission to professional education program. **Three hours per week.**

401. COMMUNITY HEALTH (MW) **3 hours credit**

A study of the factors involved in improving public health, including a survey of community health problems and resources, and the role of the teacher in community health. **Three hours per week.**

PHYSICAL SCIENCES

(Chemistry, Physics, and Science)

ASSOCIATE PROFESSORS SHAFFER (Chairman), KUNDELL; ASSISTANT PROFESSORS EARLY, FORNEY, KENNEDY, TYVOLL; ASSISTANT INSTRUCTOR SENKBEIL.

The Bachelor of Science requirements for a major in Chemistry include Chemistry 101, 104, 203, 204, 303, 304, 401, 402, 404 and 410 or 411. Chemistry majors must also complete Mathematics 201, 202 and Physics 103, 104 or Physics 203, 204.

Chemistry majors seeking certification for teaching Chemistry in the secondary schools must also meet the above requirements, except that either Chemistry 304 or 402 is replaced by a three-hour chemistry elective. Also required are the following courses in Education: 300, 305, 306, 336, 410, and 432.

The major in Physical Science is designed for students seeking certification for the teaching of Physics or Chemistry in the secondary schools.

The major in Physical Science with a concentration in Physics consists of twenty-four hours in Physics (103 and 104 or 203 and 204, 312 and 12 additional hours in Physics electives) and fifteen hours of Chemistry (101, 102, and seven additional hours in Chemistry electives).

The major in Physical Science with a concentration in Chemistry consists of twenty-four hours in Chemistry (101, 102, 203, 204, 303 and a four-hour chemistry elective) and fifteen hours in Physics (103, 104 or 203, 204 and seven additional hours of Physics electives).

In addition all majors in Physical Science are required to complete Mathematics 201, 202 and Education 300, 305, 306, 336, 410 and 432.

Students seeking certification in secondary school general science should also take six hours of Biology.

An interdisciplinary program is available for students seeking certification in elementary or secondary school earth science.

CHEMISTRY

101. GENERAL CHEMISTRY **4 hours credit**

A study of fundamental laws of chemistry and atomic structure emphasizing quantitative relationships. **Prerequisite:** Two years of high school algebra or equivalent. **Three hours lecture and one three-hour laboratory per week.**

102. GENERAL CHEMISTRY **4 hours credit**

A continuation of Chemistry 101, including the study of the common elements and their compounds and introducing the principles of qualitative and quantitative analysis and organic chemistry. **Three hours lecture and one three-hour laboratory per week.**

104. GENERAL CHEMISTRY INCLUDING QUALITATIVE ANALYSIS **4 hours credit**

Lectures in this course are the same as those in Chemistry 102. Laboratory work consists primarily of semi-micro qualitative analysis and some elementary quantitative determination. **Three hours lecture and one three-hour laboratory per week.**

107. FUNDAMENTALS OF CHEMISTRY **3 hours credit**

Selected topics from the areas of general, organic, and biochemistry. (Not designed to meet general education requirements in the college.) **Three hours lecture per week.**

203, 204. ORGANIC CHEMISTRY **4 hours credit each**

A study of the carbon compounds, including their organization, preparation, and typical reactions, and an introduction to qualitative analysis of organic compounds. **Prerequisite:** Chemistry 101, 102 or 104. **Three hours lecture and three hours laboratory per week.**

207. CHEMISTRY AND THE ENVIRONMENT **3 hours credit**

A study of the interaction of chemistry and the environment. The objective is to give students an understanding of those scientific principles which they, as citizens, will need for making judgments involved in the managing of the environment. **Three hours per week.**

302. SPECIAL ANALYSIS **3 hours credit**

Application of absorption spectroscopy to the identification of organic molecules. Infrared, ultraviolet, nuclear magnetic resonance (NMR) and mass spectra are investigated from both the theoretical

and practical viewpoints. **Prerequisite:** Chemistry 204 or consent of instructor. **Three hours lecture per week.**

303. ANALYTICAL CHEMISTRY **4 hours credit**

A basic study of the theory and applications of the various analytical methods including volumetric, electrolytic, electrometric, and photometric. **Prerequisite:** Chemistry 102 or 104. **Two one-hour lectures and two three-hour laboratories per week.**

304. INORGANIC CHEMISTRY **4 hours credit**

A study of the basic theoretical concepts of inorganic chemistry with emphasis on atomic structure, bonding, reactions, and the transition elements. **Prerequisite:** Chemistry 102 or 104. **Three hours lecture and one three-hour laboratory per week.**

305. ADVANCED ANALYTICAL CHEMISTRY **4 hours credit**

An extension of Chemistry 303. Theory and application of selected determinations with emphasis on those commonly used in industry. Attention is focused on additional analyses using volumetric and instrumental methods. **Prerequisite:** Chemistry 303. **Two hours lecture and two three-hour laboratories per week for one semester.**

401, 402. PHYSICAL CHEMISTRY **4 hours credit each**

A comprehensive study of the fundamental concepts of physical chemistry. **Prerequisites:** Mathematics 201, 202. Physics 104 or 202, and Chemistry 104, or consent of the instructor. **Three hours lecture and one three-hour laboratory per week.**

403. ORGANIC QUALITATIVE ANALYSIS **4 hours credit**

A study of the procedure and theory involved in the systematic identification of organic compounds. **Prerequisites:** Chemistry 203 and 204. **Two hours lecture and two three-hour laboratories per week.**

404. SEMINAR **1 hour credit**

A seminar required of all majors in Chemistry after the completion of 24 semester hours. Written and oral reports on selected topics from the literature. Meetings and consultation equivalent to one hour per week. **Prerequisite:** Twenty-four hours of chemistry.

405. ORGANIC PREPARATIONS **3 hours credit**

A study of advanced methods of preparing organic compounds. Emphasis is placed on developing the ability to use research publications and to proceed independently. **Prerequisites:** Chemistry 203, 204. **Six hours of laboratory per week and conferences with the instructor.**

407. BIOCHEMISTRY **3 hours credit**

A one-semester survey of the fundamentals of biochemistry for

students of Chemistry, Biology and the applied health sciences. **Prerequisites:** Chemistry 203 and 204 or consent of instructor. **Three hours lecture per week.**

410, 411. CHEMICAL RESEARCH **3 hours credit each**

Individual undergraduate research on an approved subject under supervision of a member of the staff. **Prerequisite:** 24 hours of Chemistry or consent of instructor. **Six hours of laboratory per week and conference with the instructor.**

412. ADVANCED ORGANIC CHEMISTRY **3 hours credit**

An advanced survey of the classes of organic compounds not included in Chemistry 203 and 204. **Prerequisite:** Chemistry 204. **Three hours lecture per week.**

PHYSICS

103, 104. GENERAL PHYSICS **4 hours credit each**

Elementary courses designed to give a broad exposure to the laws of physics. Major topics are classical mechanics, thermo-dynamics, electricity and magnetism, optics, special relativity, and atomic and nuclear structure. **Prerequisite:** Two years of high school algebra or equivalent. **Three hours lecture and one two-hour laboratory per week.**

105. INTRODUCTION TO ASTRONOMY **3 hours credit**

This course stresses the main ideas of physical science in their relation to the universe. Topics covered include universal gravitation; the origin and evolution of the stars, sun, planets, and comets; nuclear processes in stars; and the dynamics of the galaxy. **Two hours lecture and one two-hour laboratory per week.**

203. PHYSICS I - MECHANICS **4 hours credit**

Introductory course in mechanics using the calculus and vector notations. **Prerequisite:** Mathematics 201, 202 or taken concurrently **Three hours lecture and one two-hour laboratory per week.**

204. PHYSICS II - ELECTRICITY AND MAGNETISM **4 hours credit**

Introductory course in electricity and magnetism using the calculus and vector notations. **Prerequisite:** Physics 203, Mathematics 202 or taken concurrently. **Three hours lecture and one two-hour laboratory per week.**

312. PHYSICS III - OPTICS, WAVE MOTION, AND HEAT **4 hours credit**

Introductory course in wave motion, light, heat, sound, and kinetic theory using the calculus and vector notations. **Prerequisite:** Physics 203, Mathematics 202, or consent of instructor. **Three hours lecture and one two-hour laboratory per week.**

313. INTRODUCTORY MODERN PHYSICS **4 hours credit**

Emphasizes modern developments in physics. Major topics are special relativity, uncertainty principle, photoelectric effect, and introductory atomic and nuclear physics. Taught alternate years. **Prerequisite:** Physics 203 or consent of instructor. **Three hours lecture and one two-hour laboratory per week.**

314. CLASSICAL PHYSICS I **3 hours credit**

Presents classical topics using more sophisticated mathematical methods. Material primarily drawn from the areas of mechanics, thermodynamics, statistical mechanics and kinetic theory. Taught alternate years. **Prerequisite:** Physics 204 or consent of instructor. **Three hours lecture per week.**

315. CLASSICAL PHYSICS II **3 hours credit**

Presents classical topics using more sophisticated mathematical methods. Material primarily drawn from the areas of electricity, magnetism, and wave motion. Taught alternate years. **Prerequisite:** Physics 314. **Three hours lecture per week.**

316. INTRODUCTORY QUANTUM MECHANICS **3 hours credit**

Introduces the wave mechanical approach to modern physics. Major topics are the Schroedinger equation, spectroscopy, and atomic and nuclear structure. **Prerequisite:** Physics 313, 315 or consent of instructor. **Three hours lecture per week.**

SCIENCE

101. INTRODUCTION TO CHEMISTRY **3 hours credit**

A one semester survey course in chemistry intended for non-science majors. The course will cover selected topics from elementary chemistry. By means of laboratory experiences it is also intended to develop familiarity with science materials, equipment, laboratory techniques and procedures. **Two hours lecture and one two-hour laboratory per week.**

103. INTRODUCTION TO PHYSICAL GEOLOGY **3 hours credit**

An introduction to the study of the earth. Topics will include the structure and materials of the earth and the processes which generate and affect them, the oceans, and sea floor spreading-continental drift. **Two hours lecture and one two-hour laboratory per week.**

105. INTRODUCTION TO PHYSICS **3 hours credit**

A one semester survey course in physics intended for the non-science major. The course will cover selected topics in elementary physics. By means of laboratory experiences it is also intended to develop familiarity with science materials, equipment, laboratory techniques and procedures. **Two hours lecture and one two-hour laboratory per week.**

107. INTRODUCTION TO HISTORICAL GEOLOGY **3 hours credit**

A study of the origin and evolution of the earth. Topics will include the history of ocean basins, continents, mountain belts, and the development of life and earth. **Prerequisite:** Science 103. **Two hours lecture and one two-hour laboratory per week.**

205. EARTH MATERIALS **4 hours credit**

An introduction to the study of common rocks and minerals. This course emphasizes the identification, physical properties, chemical composition, and genesis of igneous, metamorphic and sedimentary rocks and minerals. Samples will be studied in hand specimen and microscopically. **Prerequisite:** Chemistry 101 or Science 101 or or Science 103. **Three hours lecture and one two-hour laboratory per week.**

304. SELECTED PRINCIPLES OF CHEMISTRY **3 hours credit**

A course primarily for students in the teacher education curriculum seeking greater proficiency in science. Included are topics selected from areas of organic and elementary physiological chemistry. **Prerequisite:** Science 101. **Two hours lecture and one two-hour laboratory per week.**

305. SELECTED PRINCIPLES OF PHYSICS **3 hours credit**

Some of the principles included in Science 101 and 105, as well as additional ones, are studied in greater detail. Emphasis is placed on electricity, light and sound. **Prerequisite:** Science 105. **Two hours lecture and one two-hour laboratory per week.**

307. FIELD GEOLOGY **3 hours credit**

An introduction to the methods of field geologic mapping. Selected igneous, metamorphic and sedimentary terrains in the folded Appalachians will be studied in the field in an effort to understand their geologic origin and evolution. **Prerequisites:** Science 103, 107, and 203. **One hour lecture per week and four weekend field trips.**

400. SPECIAL TOPICS IN PHYSICAL SCIENCE **3 hours credit**

A study of a specific area of physical science. The topic will vary from semester to semester. The course may be taken twice for credit. **Three hours per week.**

POLITICAL SCIENCE

PROFESSOR SHEN; ASSISTANT PROFESSOR BASEHART.

The Political Science curriculum is designed to give students an understanding of political organizations and forces in modern society. The courses offered provide a basis for insight into problems involved in relationships between governments, in the relationship of the

individual to government and in the behavior of decision makers in the policy-making process. Students with a special interest in Political Science should major in Social Sciences or concentrate in Political Science as a Liberal Studies major.

201. GOVERNMENT OF THE UNITED STATES **3 hours credit**
A comprehensive study of the national government of the United States. **Three hours per week.**

202. STATE GOVERNMENT IN THE UNITED STATES **3 hours credit**
A study of the similarities and differences in state political systems and public policies. The effect of the national government on the nature of contemporary state politics will be of particular interest. **Prerequisite:** Political Science 201. **Three hours per week.**

301. POLITICAL PARTIES AND PRESSURE GROUPS **3 hours credit**
A descriptive and analytical examination of American political parties and pressure groups with attention given to political socialization and voting behavior. **Prerequisite:** Political Science 201. **Three hours per week.**

303. THE PRESIDENCY IN AMERICAN POLITICS **3 hours credit**
A study of the influence of personality and institutionalization on presidential leadership. Special emphasis will be placed on the president's relationship with the federal bureaucracy, Congress and the Supreme Court. **Prerequisite:** Politicai Science 201. **Three hours per week.**

308. METHODS OF POLITICAL ANALYSIS **3 hours credit**
A discussion of source materials, research techniques and the critical evaluation of accomplished research. An analysis of different theoretical approaches to the study of politics will be included. **Prerequisite:** Political Science 201. **Three hours per week.**

310. COMPARATIVE GOVERNMENT **3 hours credit**
A comparative study of the governmental systems and political processes of Great Britain, the Soviet Union, France, Germany, and other selected countries in Europe, America, and Asia. **Prerequisite:** Political Science 201. **Three hours per week.**

401. POLITICAL THEORY **3 hours credit**
A survey of political thought based on the analysis of ideas of leading ancient, medieval and modern theorists including the historical setting of major theories, their impact on political institutions and social changes, and their contemporary significance. **Prerequisite:** Political Science 201. **Three hours per week.**

402. AMERICAN POLITICAL THEORY **3 hours credit**
A survey of the political concepts of the leading American theorists and the impact of these concepts on the American society from the colonial period of the present. **Prerequisite:** Political Science 201. **Three hours per week.**

410. INTERNATIONAL RELATIONS **3 hours credit**
A study of major factors underlying international relations including methods of conducting foreign relations, formation of foreign policies of major powers, and means of dealing with international conflicts. **Prerequisite:** Political Science 201. **Three hours per week.**

411. INTERNATIONAL LAW **3 hours credit**
A survey of the general principles and special rules of international law as well as its recent trends and its relations to other aspects of international affairs. **Prerequisite:** Political Science 201. **Three hours per week.**

412. GOVERNMENT AND POLITICS OF LATIN AMERICA **3 hours credit**
A comparative study of politics and governments in selected countries in Latin America. **Three hours per week.**

415. COMPARATIVE ASIAN POLITICAL SYSTEMS **3 hours credit**
A study of the structure and evolution of political institutions in China, Japan, Korea, and other selected Asian nations since World War II with emphasis upon political modernization, ideology, and nationalism. **Prerequisite:** Political Science 201. **Three hours per week.**

420. INTERNATIONAL ORGANIZATION **3 hours credit**
A study of the bases of international organization and factors influencing their development, and considering also the functions and problems of such organizations as well as the future of the world community. **Prerequisite:** Political Science 201. **Three hours per week.**

430. LEGISLATIVE PROCESS IN THE UNITED STATES **3 hours credit**
An inquiry into the structural characteristics and functions of Congress and state legislatures. Factors that affect legislative decision making will also be given careful consideration. **Prerequisite:** Political Science 201. **Three hours per week.**

431. LOCAL GOVERNMENT IN THE UNITED STATES **3 hours credit**
An examination of county, metropolitan and municipal governments with emphasis on a description of these political subsystems,

their place in the federal system, and the relationship between the socio-economic environment, governmental structure and public policy. **Prerequisite:** Political Science 201. **Three hours per week.**

PSYCHOLOGY

PROFESSORS DELANEY (Chairman), GRAFF, WRIGHT; ASSOCIATE PROFESSOR JOESTING; ASSISTANT PROFESSORS GALLAGHER, ULM, WHITEHEAD; INSTRUCTOR FLATT.

Bachelor of Arts requirements for a major in Psychology include not less than twenty-four semester hours in Psychology plus two collateral areas of twelve hours each in other disciplines selected by the student. Six hours in each collateral must be at the junior-senior level.

Required courses for all Psychology majors are: 210, 211, 220, 304, and 305 or 430.

Psychology majors intending to pursue further studies in the field of Psychology beyond the Bachelor of Arts degree are required to take 305, and should elect nine semester hours from 306, 405, 407, 408, or 412.

Psychology majors intending to teach at the elementary level or secondary level are required to take 430, the appropriate course in the 320 series, and should elect six semester hours from 306, 403, 407, or 408.

It is recommended that other Psychology majors take 305, a course from 320 series, and six semester hours from 306, 403, 407, or 408.

210. GENERAL PSYCHOLOGY **3 hours credit**
A survey of general principles underlying human behavior including study of the nervous system, perception, learning, emotion, and personality. Experimental findings are applied to practical situations. **Three hours per week.**

211. ADVANCED GENERAL PSYCHOLOGY **3 hours credit**
A course designed primarily for Psychology majors, intended to provide an in-depth overview of the field through intensive reading and critical discussion. **Prerequisite:** Psychology 210. **Three hours per week.**

220. PSYCHOLOGICAL STATISTICS **3 hours credit**
Methods of design of psychological experiments and analysis of data. **Prerequisite or Corequisite:** Psychology 211. **Three hours per week.**

300. DEVELOPMENTAL PSYCHOLOGY **3 hours credit**
A study of human growth and development from conception

through old age. Major emphasis is placed on the processes of psychological growth and their environmental determinants. **Prerequisite:** Psychology 210 or consent of instructor. **Three hours per week.**

304. EXPERIMENTAL PSYCHOLOGY **4 hours credit**
Study of the experimental method and its application to psychological research in both animals and humans. **Prerequisite:** Psychology 220. **Three hours lecture and two hours laboratory per week.**

305. PSYCHOLOGY OF LEARNING **3 hours credit**
A survey of the basic experimental facts and research related to learning. **Prerequisite:** Psychology 211. **Three hours per week.**

306. SOCIAL PSYCHOLOGY **3 hours credit**
Study of group behavior of humans with emphasis on the relation of the individual to the group. Mass reaction and judgment, group control, and group influence on the individual are considered. **Prerequisite:** Psychology 210. **Three hours per week.**

310. INDUSTRIAL PSYCHOLOGY **3 hours credit**
A survey of the application of psychological theory, techniques and research to business and industry. Topics such as personnel selection, training efficiency, job satisfaction and morale, safety and design equipment, consumer psychology, and others will be considered. **Prerequisite:** Psychology 210, or consent of instructor. **Three hours per week.**

320. PSYCHOLOGY OF INFANCY AND CHILDHOOD **3 hours credit**
An intensive study of human development from conception to adolescence. Major emphasis is placed on patterns of the normal or typical child. **Prerequisite:** Psychology 210. **Three hours per week.**

321. PSYCHOLOGY OF ADOLESCENCE **3 hours credit**
A study of physical, intellectual, emotional, and social development of the adolescent. **Prerequisite:** Psychology 210. **Three hours per week.**

322. PSYCHOLOGY OF AGING **3 hours credit**
A study of human development from early adulthood to senescence. **Prerequisite:** Psychology 210 or consent of instructor. **Three hours per week.**

340. VERBAL LEARNING **3 hours credit**
A review of theory and research on the learning of verbal materials. Consideration will be given to serial and paired associate learning, verbal discrimination, and transfer. **Prerequisite:** Psychology 305. **Three hours per week.**

350. SENSATION AND PERCEPTION **3 hours credit**

A study of sensory and perceptual systems of the human, covering all senses, but with emphasis on vision. Perception is treated from a physiological, behavioral and cognitive point of view. **Prerequisite:** Psychology 220 or consent of instructor. **Three hours per week.**

403. MEASUREMENT AND EVALUATION IN PSYCHOLOGY **3 hours credit**

A coverage of correlational techniques, reliability and validity. Psychological tests and questionnaires are considered in terms of their measurement assumptions and utility. **Prerequisite:** Psychology 220 or consent of instructor. **Three hours per week.**

405. ABNORMAL PSYCHOLOGY **3 hours credit**

A survey of the etiology, diagnosis and prognosis of neurosis, psychosis, psychosomatic disorders, transient situational maladjustments and personality disorders. Included will be a discussion of various treatment approaches. **Prerequisite:** Psychology 210. **Three hours per week.**

406. PSYCHOLOGY OF ATTITUDES AND ATTITUDE CHANGE **3 hours credit**

This course is concerned with how attitudes are formed, measured, and changed. Emphasis will be placed on the classical theories and on new approaches to attitude formulation and change. **Prerequisite:** Psychology 306 or consent of instructor. **Three hours per week.**

407. PSYCHOLOGY OF PERSONALITY **3 hours credit**

A survey of major theoretical approaches to the origin and development of human personality. **Prerequisite:** Psychology 210. **Three hours per week.**

408. HISTORY AND SYSTEMS IN PSYCHOLOGY **3 hours credit**

Study of basic integrating theories of psychology. **Prerequisite:** Psychology 211 or consent of the instructor. **Three hours per week.**

412. PHYSIOLOGICAL PSYCHOLOGY **3 hours credit**

The investigation of morphological, neurochemical, and physiological bases of behavior. **Prerequisite:** Psychology 211 or consent of the instructor. **Three hours per week.**

415. MOTIVATION AND EMOTION **3 hours credit**

A survey of experimental findings and theory of processes that energize and direct behavior. **Prerequisite:** Psychology 210. **Three hours per week.**

423. PSYCHOLOGY OF THE EXCEPTIONAL CHILD **3 hours credit**

A study of children who vary from the norm including the gifted,

physically handicapped, mentally handicapped, socially handicapped, emotionally disturbed. **Prerequisite:** Psychology 300 or Psychology 320 or Education 300 or consent of the instructor. **Three hours per week.**

425. PSYCHOLOGY PRACTICUM **3 hours credit**

A course designed to provide the Psychology major with actual training experience in a variety of clinical settings. May be taken twice. **Prerequisite:** 15 hours in Psychology and consent of instructor. **Three hours per week.**

430. LEARNING THEORY AND ITS APPLICATION **3 hours credit**

A course designed to acquaint students with the theoretical base and experimental data to support a unified approach to human learning. This course will also provide the student with the direct applicability of learning theory to the education of the individual. **Prerequisite:** Education 300, Psychology 210 (or equivalent) or consent of the instructor. **Three hours per week.**

431. PHYSIOLOGICAL THEORIES OF LEARNING **3 hours credit**

Advanced study of the role of the nervous system in the learning and memory processes, including biochemical theories of learning. **Prerequisite:** Psychology or Biology major; Psychology 305. **Three hours per week.**

450. COGNITIVE PROCESSES **3 hours credit**

A consideration of theory and research concerning the higher mental processes. Topics to be covered include memory, attention, problem-solving, thinking and reasoning. **Prerequisite:** Psychology 305 or consent of the instructor. **Three hours per week.**

455. CHILDREN'S LEARNING AND COGNITIVE DEVELOPMENT **3 hours credit**

A survey of theory and research on the development of learning and conceptual behavior. Consideration will be given to mediation, attention, and differentiation theories as well as to the views of Piaget. The course is designed to provide familiarity with basic research underlying educational innovation and is only marginally concerned with application. **Prerequisite:** Psychology 305 or consent of the instructor. **Three hours per week.**

460. INTRODUCTION TO CLINICAL PSYCHOLOGY **3 hours credit**

A comparative study of the theories and practices in the treatment of mental and emotional disorders. Included are the most commonly employed analytical, neo-analytical and behavioral systems of clinical psychology as well as a survey of psychodiagnostic materials.

Prerequisite: Psychology 210 or consent of instructor. **Three hours per week.**

465. PRINCIPLES AND TECHNIQUES OF GROUP THERAPY **3 hours credit**

A study of principles and techniques of group counseling/psychotherapy and their application. Includes a review of the psychological and historical development of group therapy and a study of the pertinent research. Discussions and role-playing are important elements of this course. **Prerequisite:** Advanced standing. **Three hours per week.**

468. THE PSYCHOLOGY OF MENTAL RETARDATION **3 hours credit**

A study of the symptoms, causes, diagnosis, assessment, and treatment of mental retardation. **Prerequisite:** Psychology 210 or consent of instructor. **Three hours per week.**

490. INDIVIDUAL DIRECTED STUDY **1-3 hours credit**

A course designed to enable advanced students to pursue through observation, experimentation, or library research a topic of their choosing. May be taken more than once for a maximum of six credits. **Prerequisite:** Consent of the department chairman.

SOCIAL SCIENCE

PROFESSOR WROTEN (Chairman); and faculty members of the Departments of Economics, Geography, History, Political Science, and Sociology.

Courses for students seeking a major in Social Science are drawn from the following: Economics, Geography, History, Political Science, and Sociology. Bachelor of Arts requirements for a major in Social Science include History 101-102, 201-202; (unless exempted by advanced placement tests) Geography 201-202, Political Science 201, Economics 201 and three additional hours in Economics, Sociology 211, and twenty-one additional hours in upper division (300-400 level) courses in the Social Sciences, including at least six additional hours in history. To satisfy the language requirement for a major in Social Science a student must make a passing grade in Language 112 or the equivalent level of reading proficiency demonstrated in a test administered by the Language Department.

Social Science majors seeking certification for public school teaching must meet the additional requirement of the following courses in Education: 300, 305, 306, 334, 410, 422, and 432.

300. SOCIAL SCIENCE-INTERN PROGRAM **6 hours credit**

A work-study program with the primary emphasis on practical

experiences to be learned while working with some governmental or community agency on the local, state, or national level. **Prerequisite:** Junior or senior class standing with a major in History, Sociology, or Social Science and approval of directors.

400. CURRENT PROBLEMS **3 hours credit**

A study is made of either general or special topics of our times. The topics are considered from historic aspect and the present social and cultural setting in which they occur. **Three hours per week.**

SOCIOLOGY

PROFESSOR SHOPE (Chairman); ASSOCIATE PROFESSORS LADE, TALBOT; ASSISTANT PROFESSORS ALDRICH, CIPOLLA, LONG, MORRIS, STEFFES.

Bachelor of Arts requirements for a major in Sociology include not less than thirty hours in Sociology (of the 120 required for graduation), plus thirty-six hours in two or three collateral areas, in disciplines other than Sociology selected by the student with the chairman's written approval. A collateral consists of at least 12 semester hours, one-half of which must be on the junior-senior (300-400) level, with the exception of a foreign language. Two collaterals can be combined with electives to meet the requirements of a second major.

The combined thirty-six collateral hours provides opportunity for one of the following options: 1) Three supporting collaterals of twelve hours each, one of which may be interdisciplinary; 2) A second major plus twelve hours of a foreign language; 3) A second major plus twelve hours in any supporting discipline; 4) A second major plus an interdisciplinary collateral drawn from supporting courses of other departments; 5) A special collateral of thirty semester hours in Social Welfare.

Students majoring in Sociology must have a grade of "C" (2.0) or better for all courses included in the major.

Transfer students desiring to major in Sociology must take a minimum of fifteen credit hours in Sociology at Salisbury State College.

The required courses in Sociology include 211, 212, 312, 411 and 412.

111. MAN AND SOCIETY **3 hours credit**

An introduction to the interlocking social relationships characteristic of the human race, with attention focused on the various societal groupings and how such knowledge can be used in the public and private world of man. **Three hours per week.**

211. PRINCIPLES OF SOCIOLOGY **3 hours credit**

Identification and analysis of basic concepts of Sociology, with

study of the interrelatedness of structures, systems and institutions, and recognition of the social processes by which society evolves.

212. CULTURAL ANTHROPOLOGY **3 hours credit**
An analysis of the concept of culture as man's social heritage through comparative studies of primitive and non-western societies. **Three hours per week.**

311. SOCIAL PROBLEMS **3 hours credit**
Identification of selected contemporary social problems with an application of sociological theory for understanding the problems and for identifying possible methods of correction of solution. **Prerequisite:** Sociology 111 or 211 or consent of instructor. **Three hours per week.**

312. FORMAL ORGANIZATIONS, BUREAUCRACY AND CHANGE **3 hours credit**
Analysis of the transformation of social organizations into modern bureaucratic structures, with emphasis upon institutionalization, patterns of authority, impact on personality, and the process of social change. **Prerequisite:** Sociology 111 or 211 or consent of instructor. **Three hours per week.**

314. RACIAL AND CULTURAL MINORITIES **3 hours credit**
A study of the cultural problems resulting from ethnic differences and the social processes by which society solves them. **Prerequisite:** Sociology 111 or 211 or consent of instructor. **Three hours per week.**

315. URBAN SOCIOLOGY **3 hours credit**
The development of the city as a social organization and the emergence of modern urbanization. Attention will be given to the advantages, disadvantages, and the challenges of the city. **Prerequisite:** Sociology 111 or 211 or consent of instructor. **Three hours per week.**

316. THE FAMILY **3 hours credit**
A study of the family as a functioning social institution with consideration of the role behavior expected of its members. Attention will be given to differences due to ethnic, class, or economic factors with emphasis upon current trends. **Prerequisite:** Sociology 111 or 211 or consent of instructor. **Three hours per week.**

317. CRIME AND DELINQUENCY **3 hours credit**
The study of crime and delinquency as forms of deviant behavior with an examination of social causes and social reactions. Varieties of criminal behavior, criminological controversies, and theories will be considered. **Prerequisite:** Sociology 111 or 211 or consent of instructor. **Three hours per week.**

318. THE SOCIOLOGY OF RELIGION **3 hours credit**
Consideration of religion as a universal institution with established

relationships with family, economic, political, and educational institutions. **Prerequisite:** Sociology 111 or 211 or consent of instructor. **Three hours per week.**

319. THE SOCIOLOGY OF EDUCATION **3 hours credit**
The study and analysis of the public school as a social institution. Special attention will be focused on the bureaucratic nature of the institution, on the role of the school in society, on the social status of teachers, on the reality of the community power structures, and on the current forces working for or against change. **Prerequisite:** Sociology 111 or 211 or consent of instructor. **Three hours per week.**

411. THEORY AND METHODS OF SOCIAL RESEARCH **3 hours credit**
An introduction to sociological methods employed in successful research. Basic theory, collection, analysis, interpretation of data, and preparation of reports. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

412. DEVELOPMENT OF SOCIAL THOUGHT **3 hours credit**
A survey of the development of sociology as a scientific discipline with emphasis upon differing and persistent theoretical and methodological orientations. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

413. THE SOCIOLOGY OF SMALL GROUPS **3 hours credit**
The study of the small primary (face-to-face) group, including basic concepts of group life, interpersonal relationships and their implications for effective communication and leadership in the fields of education, industry, etc. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

414. COMMUNITY ORGANIZATION **3 hours credit**
A critical examination of urban communities, their structures, organization, social processes, value systems, and use of social power. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

415. SENIOR SEMINAR **3 hours credit**
Investigation of selected areas of sociological theory and reasearch, such as the sociology of planning, community participation in social welfare, collective behavior, or civil disobedience. **Prerequisites:** Sociology 211 and consent of instructor. **Three hours per week.**

416. INDIVIDUAL DIRECTED STUDY **3 hours credit**
Intensive study in a selected and specific area of sociology through observation, experimentation, or library research. Open only to advanced students of outstanding ability majoring in Sociology.

Prerequisites: Sociology 211 and consent of instructor. **Three hours per week.**

417. THE SOCIOLOGY OF PUBLIC ADMINISTRATION **3 hours credit**

Major problems, issues and considerations in the administration, and supervision of public agencies, organizations, and associations operated as a public service. Current trends and recent developments in the field of public administration will be examined. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

418. ANALYSIS OF SMALL GROUP PARTICIPATION **3 hours credit**

Participation in an on-going group, with continuing analysis of the group's development and the factors affecting the participation of the members. **Prerequisite:** Six hours of Sociology, including Sociology 211 or consent of instructor. **Three hours per week.**

460. A PRACTICUM OR INTERNSHIP **1 to 6 hours credit**

A work-study program with the primary emphasis on practical experiences to be learned while working with some governmental or community agency on the local, state, or national level. 1 to 6 hours to be determined by student and departmental coordinator prior to registration. **Prerequisite:** 9 hours of Sociology and consent of instructor.

499. EXPERIMENTAL SOCIOLOGY **3 hours credit**

Number reserved for courses approved by the academic council as an experimental response to student interest or community need. **Prerequisite:** Sociology 211 or consent of instructor. **Three hours per week.**

SOCIAL WELFARE

The Social Welfare Collateral is designed to help students to understand society's concern for human needs, and its desire to develop programs and services to meet those needs.

The required thirty semester hours provide a comprehensive introduction to social welfare theory and practice, and the educational preparation necessary for beginning social work practice. The academic program is paralleled by field instruction with on-going community service programs, so that classroom learning and social practice may become an integrated experience.

The required courses of the collateral are: Sociology 271, 371, 375, 471, 472, 473, 475, and 477.

271. INTRODUCTION TO SOCIAL WELFARE AND SOCIAL WORK **3 hours credit**

The roots of social welfare and social work in the experience of man;

a philosophical and historical orientation to social welfare; roles and modes of intervention of social work in relation to human needs and social issues; survey of social services in the social welfare framework. Four hours of volunteer activities in social and human service agencies and programs. **Three hours per week.**

371. SOCIAL WELFARE AS A SOCIAL INSTITUTION **3 hours credit**

Study of social welfare in the United States and other selected societies; a philosophical and political base underlying societal approaches to fulfillment of common human needs in various segments of American society; overview of contemporary programs and services; analysis of policies, issues and problems; evaluation of programs and services for effectiveness. **Prerequisite:** Sociology 271 or consent of instructor. **Three hours per week.**

375. SOCIAL ENVIRONMENT AND HUMAN BEHAVIOR **3 hours credit**

Interrelationship of psychological-developmental and socio-cultural experiences in family, small groups and community in influencing personality formation — identify, self image, roles, life styles; application of this knowledge to practice situations to gain appreciation of this adaption to change and stress. **Prerequisite:** Sociology 371 or consent of instructor. **Three hours per week.**

471. SOCIAL WORK METHODS I **3 hours credit**

Formulation of a common base for social work practice; utilization of interviewing and communication to develop helping relationships; identifying social worker roles and modes of intervention based upon application of social work and social science knowledge. **Prerequisite:** Sociology 375 or consent of the instructor. **Three hours per week.**

472. SOCIAL WORK METHODS II **3 hours credit**

Development of modes of intervention with individual, family, group and community selection; implementation and evaluation of modes of intervention to stabilize, develop and enhance social functioning of individual and family and groups. To be taken concurrently with Sociology 473. **Prerequisite:** Sociology 471 or consent of instructor. **Three hours per week.**

473. FIELD INSTRUCTION IN SOCIAL WORK I **6 hours credit**

Social work practice experience achieved through placement and participation in a community service or program; available only to students approved for social intervention. Emphasis will be placed upon use of observation, communication, interviewing, and utilization of community resources so that these skills and concepts may become significant for the student as a practioner. Taken concurrently with Sociology 472. **1½ hours of seminar and 15 hours of field experience per week. Prerequisite:** Sociology 471 or consent of instructor.

475. FIELD INSTRUCTION IN SOCIAL WORK II 6 hours credit

Continuation of direct experience in the delivery of social services with assigned agency and increased emphasis on relationship and interaction, data collection and assessment, treatment, termination and evaluation. To be taken concurrently with Sociology 447. **1½ hours of seminar and 15 hours of field experience per week. Prerequisite:** Sociology 473 or consent of instructor.

477. SOCIAL WELFARE-SOCIAL WORK SEMINAR 3 hours credit

Integration of human needs, ethical issues of intervention, values and necessity for practical solutions to social problems discovered in the field experience; exploration of current concerns within the social work profession and in selected practice across disciplines; dilemmas and problems in social welfare programs and services. To be taken concurrently with Sociology 475. **Prerequisite:** Sociology 473 or consent of instructor.

481. SOCIAL WORK IN SPECIAL SETTINGS 3 hours credit

Social work concepts, methods and program development in selected settings such as school, medical, correctional, family and child welfare settings; study of setting; review and analyze organizational arrangements for social work practice in these settings. **Prerequisite:** Sociology 375 or consent of instructor. **Three hours per week.**

482. SOCIAL WORK WITH MINORITY GROUPS 3 hours credit

Social work concepts, methods, values, commitments to program development for minority groups such as drug addicts, alcoholics, handicapped, aged, blacks, migrant workers, etc.; a careful look at sub-cultures, situational and significant organizational arrangements for social work practice with these groups. **Prerequisite:** Sociology 375 or consent of instructor. **Three hours per week.**

SPANISH

(See Modern Languages, Page 111)

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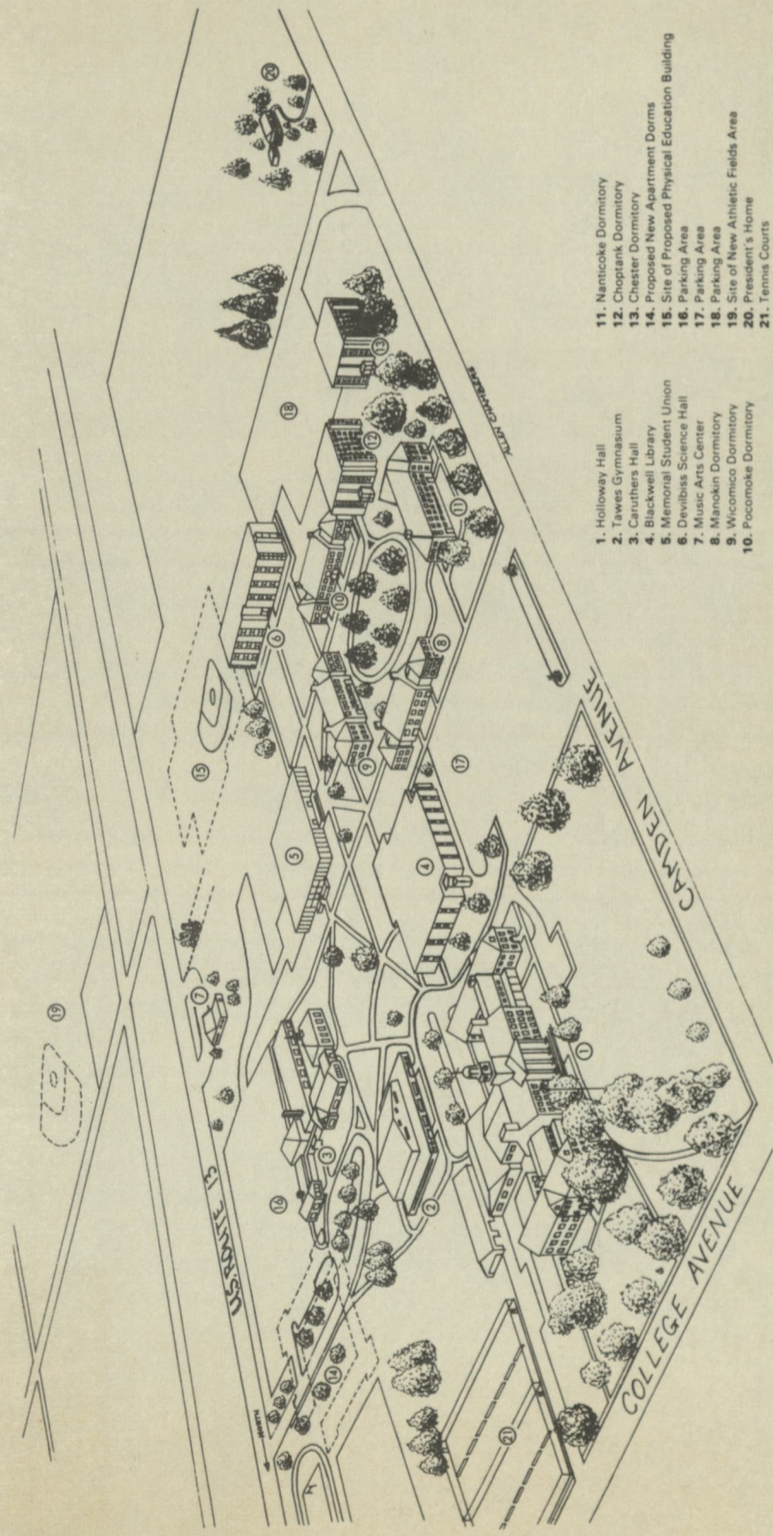
SALISBURY STATE COLLEGE



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